

Geotextiles

TerraTex Woven Geotextile

TerraTex Woven Geotextiles are designed and manufactured for many construction applications. They perform the three primary functions of a geotextile: separation (separating the native subgrade from an aggregate layer); reinforcement (reinforcing an area by distributing weight over a wider area); and filtration (retaining soil while allowing the passage of water). A range of geotextiles is offered to meet the requirements of various applications.

TerraTex Woven Geotextiles are made of polypropylene filaments that are formed into a stable network such that they retain their relative position, and they ensure resistance to most soil chemicals, rot, mildew, acids and alkalis in a pH range from 3 to 12.



Product Description

TerraTex GS

Industry-standard geotextile that performs the functions of separation and stabilization in marginal soil conditions. Grab tensile strength of 200 lb.

TerraTex GS-250

Grab tensile strength of 250 lb. Meets AASHTO M288-00 specifications for separation.

TerraTex HD

Grab tensile strength of 315 lb. Meets AASHTO M288-00 specifications for stabilization.

TerraTex EP-9

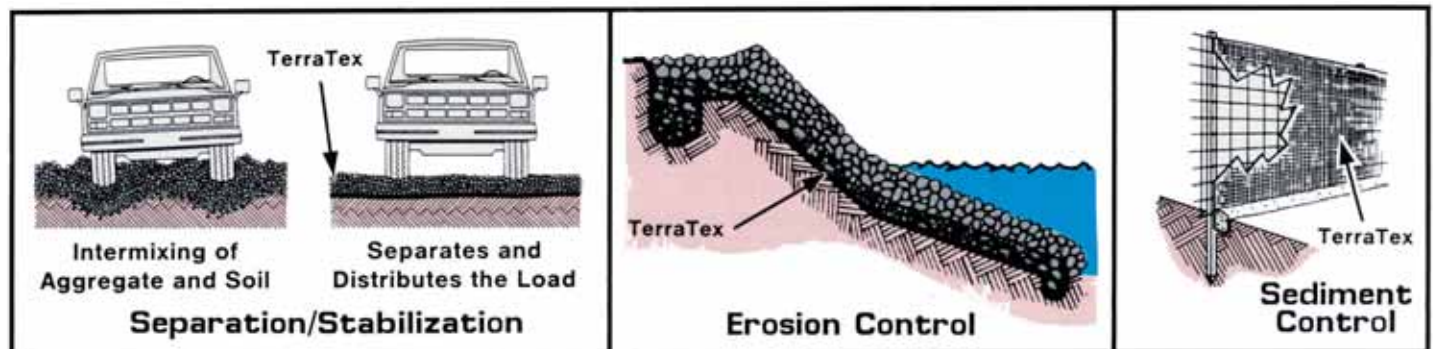
Monofilament fabric that meets or exceeds the standard specifications of the Corps of Engineers for controlling the scouring of native soils behind embankments and slope protection structures.

Item #	Code	Width (ft)	Length (ft)	Area (yd ²)	Approximate Weight (lb)	Stock*
GS-126R-600	GEO	12.5	432	600	223	Y
GS	GEO	15	360	600	223	A
GS-176R-600	GEO	17.5	309	600	223	Y
GS-250	GEO	12.5	360	500	250	A
HD126R	GEO	12.5	360	500	255	Y
HD	GEO	18	252	504	270	A
EP9-12R-300	GEO	12	300	400	190	Y

Product Specification

PROPERTY	Minimum Average Roll Values			
	GS	GS-250	HD	EP-9
Grab Tensile Strength (lb) ASTM D-4632 (warp/fill)	200	250	315	370/250
Elongation (%) Minimum ASTM D-4632	15	15	15	15
Wide Width Tensile (lb/in) ASTM D-4595	120	127	175	N/A
Wide Width Elongation (%) ASTM D-4595	10/6	15/8	15/8	N/A
Trapezoid Tear (lb) ASTM D-4533	75	90	120	100/60
Mullen Burst (psi) ASTM D-3786	400	500	600	450
Puncture Strength (lb) ASTM D-4833	90	100	145	120
Permittivity (1/sec) ASTM D-4491	.05	.05	.05	.28
Water Flow Rate (g/m/sf) ASTM D-4491	4	4	4	18
Percent Open Area CEO-22125	<1	<1	<1	4
AOS (U.S. Std. Sieve) ASTM D-4751	40	40	40	70-100
UV Resistance (% at 500 hr) ASTM D-4355	70	70	70	90

Applications



*Y = stock item; A = readily available by order

Geotextiles

FX® Slit-Film Woven Geotextile

Carthage Mills' FX Series of woven slit film geotextiles offer immediate and cost effective solutions for most separation and many stabilization applications. By providing and maintaining separation of the aggregate and subgrade soils, the system life of both paved and unpaved roadways is extended significantly.

In unpaved applications, the aggregate remains useful throughout the entire life of the job, and access to work sites remains trouble free through all types of weather. Stabilization is provided primarily by their high strength at low elongation that distributes loads and reduces or eliminates rutting.

FX Slit-Film Series of woven geotextiles are produced of 100% high-tenacity polypropylene yarns. They are inert to biological degradation and resistant to naturally encountered chemicals, alkalis and acids.

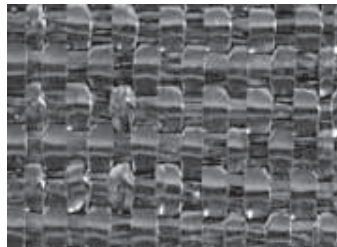
Applications

- Separation under driveways and streets, parking, storage and staging areas, roadways, airport runways, paving blocks, and access/haul roads
- Wrapped-face retaining walls
- Foundation stabilization
- Daily landfill covers

Product Description

FX-55

A medium weight geotextile and the one most frequently used in DOT and private engineered projects.



FX-66

A heavier weight geotextile typically used when higher than average stabilization is required.

Carthage Mills



Product Specification

PROPERTY	Minimum Average Roll Values				
	FX-50	FX-55	FX-60	FX-65	FX-66
Grab Tensile Strength (lb) ASTM D-4632 (warp/fill)	180	200	250	270	315
Elongation (%) Minimum ASTM D-4632	15	15	15	15	15
Trapezoid Tear (lb) ASTM D-4533	70	75	90	100	115
Mullen Burst (psi) ASTM D-3786	305	400	500	400	630
Puncture Strength (lb) ASTM D-4833	70	95	100	100	120
Permittivity (1/sec) ASTM D-4491	.05	.05	.05	.05	.05
Water Flow Rate (g/m/sf) ASTM D-4491	4	4	4	4	4
Percent Open Area CEO-22125	<1	<1	<1	<1	<1
AOS (U.S. Std. Sieve) ASTM D-4751	20	40	40	40	40
UV Resistance (% at 500 hr) ASTM D-4355	70	70	70	70	70

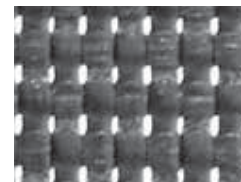
Item #	Code	Width (ft)	Length (ft)	Area (yd ²)	Approximate Weight (lb)	Stock*
FX50	GEO	—	—	—	—	A
FX55-126R-600	GEO	12.5	432	600	210	Y
FX55-176R-600	GEO	17.5	309	600	215	Y
FX60-126R-600	GEO	12.5	432	600	210	Y
FX60-176R-600	GEO	17.5	309	600	215	Y
FX65	GEO	—	—	—	—	A
FX66-176R	GEO	17.5	258	500	217	Y

Carthage Mills' 6%™ Open Area Series of Woven Monofilament Geotextiles

Carthage Mills' 6% Series of woven monofilament geotextiles provide long-term solutions for nearly any drainage/filtration application. Carthage 6% features unique physical, hydraulic and filtration properties—in particular Percent Open Area (POA), an indicator that a sufficient quantity of distinct, measurable, uniform and unidirectional paths through the fabric exist to allow for the release of migrating fines and for the formation of a mini-graded filter cake against the surface of the free-flowing filter fabric.

Applications

- Bulkheads
- Under riprap or concrete revetment systems for channel, shoreline waterway protection
- Subsurface drainage systems in problematic soils
- Drainage/filtration/collection systems in landfills
- Spillways and swales



Item #	Code	Width x Length (ft)	Area (yd ²)	Appx. Weight (lb)	Grab Tensile Strength ASTM D-4632 (warp/fill) (lb)	Elongation Minimum ASTM D-4632 (%)	Trapezoid Tear ASTM D-4533 (lb)	Mullen Burst ASTM D-3786 (psi)	Puncture Strength ASTM D-4833 (lb)	Permittivity ASTM D-4491 (1/sec)	Water Flow Rate ASTM D-4491 (g/m/sf)	Percent Open Area CEO-22125	AOS (U.S. Std. Sieve) ASTM D-4751	UV Resistance ASTM D-4355 (% at 500 hr)	Stock*
CARTHAGE-6%-12R	GEO	12x300	400	181	250	15	60	450	120	.28	18	6%	70	90	Y

Geotextiles

TerraTex Nonwoven Geotextile

TerraTex Nonwoven Geotextiles are designed and manufactured for many construction applications. They perform the three primary functions of a geotextile: separation (separating the native subgrade from an aggregate layer); reinforcement (reinforcing an area by distributing weight over a wider area); and filtration (retaining soil while allowing the passage of water). TerraTex Nonwoven Geotextiles have a random, three dimensional pore structure and are highly water permeable as is necessary in many geotextile end uses. A range of fabric weights is offered to meet the requirements of various applications.



TerraTex Nonwoven Geotextiles are made of specially formulated polypropylene to ensure resistance to most soil chemicals, rot, mildew, acids and alkalis in a pH range from 3 to 12.

Product Description

TerraTex N04

Standard drainage geotextiles that meet or exceed commonly specified DOT and commercial drainage protection requirements.

TerraTex N04.5

Extra-strength drainage geotextiles designed for applications requiring high water permeability and burst resistance.

TerraTex N06, N08, N10, N12 & N16

Heavyweight geotextiles for multiple applications: embankment protection, erosion control, ground stabilization, geomembrane underliner, railroad bed stabilization, heavy-duty drainage protection, and separation.

TerraTex OL

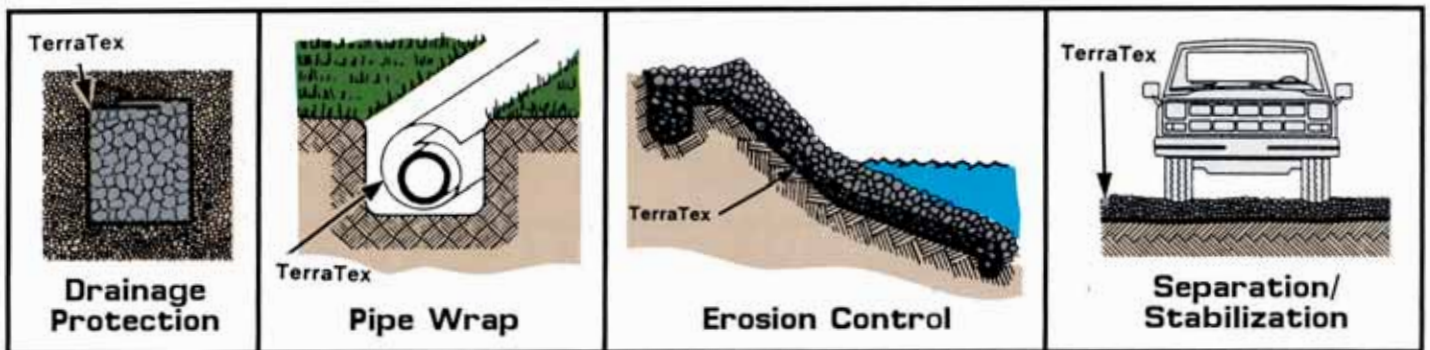
Paving geotextile designed to retard reflective cracking and extend the life of asphalt overlays. Meets commonly specified requirements.

Item #	Code	Width (ft)	Length (ft)	Area (yd ²)	Approximate Weight (lb)	Stock*
N04	GEO	12.5	432	600	190	A
N04-15R	GEO	15	360	600	190	A
N04.5	GEO	12.5	432	600	225	A
N04.5-15R	GEO	15	360	600	225	A
N06-15R	GEO	15	300	500	240	A
N08-15R	GEO	15	300	500	300	A
N10	GEO	15	180	300	240	A
N12	GEO	15	180	300	270	A
N16	GEO	15	180	300	340	A
OL	GEO	12.5	360	500	170	A

Product Specification

PROPERTY	Minimum Average Roll Values							
	N04	N04.5	N06	N08	N10	N12	N16	OL
Tensile Strength (lb) ASTM D-4632	90	120	160	205	250	300	400	90
Elongation (%) Minimum ASTM D-632	50	50	50	50	50	50	50	50
Trapezoid Tear (lb) ASTM D-4533	40	50	65	85	100	115	145	30
Mullen Burst (psi) ASTM D-3786	185	230	315	400	520	600	750	180
Puncture Strength (lb) ASTM D-4833	60	70	90	130	160	180	240	N/A
Permeability (cm/sec) ASTM D-4491	.2	.2	.2	.2	.2	.2	.2	N/A
Permittivity (1/sec) ASTM D-4491	2.2	1.8	1.6	1.4	1.2	1.0	.7	N/A
Water Flow Rate (g/m/sf) ASTM D-4491	150	130	110	90	80	75	50	N/A
UV Resistance (% at 500 (150 for OL) hr) ASTM D-4355	70	70	70	70	70	70	70	70
AOS (U.S. Std. Sieve) ASTM D-4751	70	70	70	80	80	100	100	N/A
Asphalt Retention (g/sy) ASTM D-6140	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.2

Applications



*Y = stock item; A = readily available by order

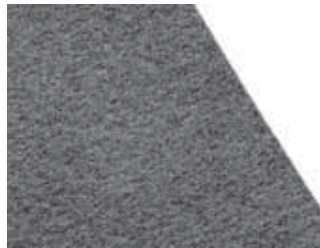
Geotextiles

FX®-HS Nonwoven Geotextile

Carthage Mills' FX-HS Series of nonwoven slit film geotextiles offer immediate and cost effective solutions for many separation, drainage, erosion control and filtration applications. Carthage Mills' FX-HS Series of nonwoven slit film geotextiles are constructed of 100% polypropylene staple filaments that have been needle-punched and heat-set for stability. Weights range from three to more than 30 ounces per square yard. Carthage Mills' FX-HS Series of nonwoven slit film geotextiles exhibit high durability with excellent resistance to puncture and tear, yet easily conform to the ground and site irregularities for trouble-free installation.

Applications

- Subsurface drainage applications or systems along highways, under airfields and athletic fields, and within embankments
- Filtration/drainage in Segmental Retaining Walls (SRW)
- Separation under roadways, airport runways, access/haul roads and railroad ballast
- Permanent erosion control under riprap for slope and shoreline protection
- Site dewatering bags
- Landfill drainage and filtration
- Subsurface barriers



Product Description

Item #	Code	Width (ft)	Length (ft)	Area (yd ²)	Approximate Weight (lb)	Stock*
FX35HS-15R	GEO	15	360	600	170	Y
FX45HS-15R	GEO	15	360	600	195	Y
FX60HS-15R	GEO	15	300	500	225	Y
FX80HS-15R	GEO	15	300	600	280	Y
FX100HS	GEO	—	—	—	—	A

Carthage Mills



Product Specification

PROPERTY	Minimum Average Roll Values				
	FX-35HS	FX-45HS	FX-60HS	FX-80HS	FX-100HS
Grab Tensile Strength (lb) ASTM D-4632 (warp/fill)	90	120	160	205	250
Elongation (%) Minimum ASTM D-4632	50	50	50	50	50
Trapezoid Tear (lb) ASTM D-4533	40	50	60	80	100
Mullen Burst (psi) ASTM D-3786	185	230	280	350	460
Puncture Strength (lb) ASTM D-4833	55	65	85	110	150
Permittivity (1/sec) ASTM D-4491	2.0	1.50	1.30	1.40	1.20
Water Flow Rate (g/m/sf) ASTM D-4491	150	120	110	90	80
AOS (U.S. Std. Sieve) ASTM D-4751	50	70	70	80	100
UV Resistance (% at 500 hr) ASTM D-4355	70	70	70	70	70

Landscape Fabric

Polypropylene ground cover fabric controls weed growth and soil erosion.

Item #	Code	Description	Stock*
NS4-3X360	GEO	3' x 360' 4 oz. roll	Y
NS4-4X360	GEO	4' x 360' 4 oz. roll	Y

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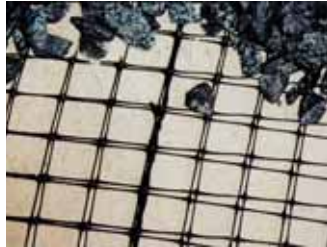
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Geotextiles

TerraGrid® B100 & B120

For Base Stabilization

The engineering properties of soil can be greatly improved by incorporating a tensile element such as a geogrid. TerraGrid B100 and B120 geogrids have been designed to provide effective reinforcement to all types of soils. TerraGrid geogrids are high performance, multilayered, extruded polymeric products developed from years of experience in the geosynthetic and construction industries. The random sized apertures of TerraGrid geogrids are designed to accommodate a variety of fill materials. The multiple layers allow for optimal interlocking with the fill, which helps preserve compaction and reduces shear pressures to the subgrade.



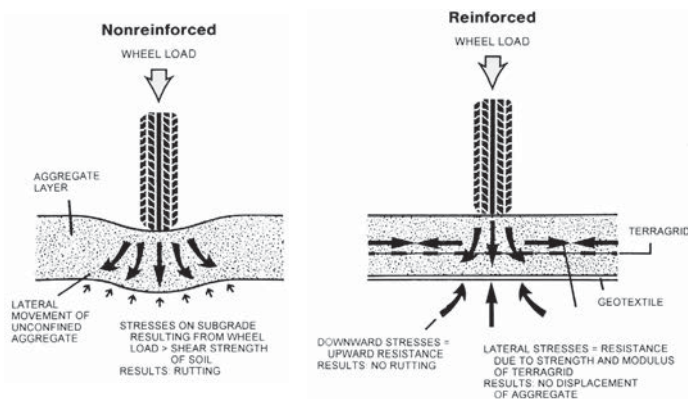
TerraGrid Geogrids Offer

- **High Tensile Strength** - TerraGrid B100 & B120 geogrids are designed to provide the high tensile strength, in both the machine and transverse roll direction, required in base reinforcement and soft soil stabilization applications.
- **High Junction Strength** – TerraGrid B100 & B120 are designed to provide high junction strength to assure proper transfer through the junctions and proper distribution of imposed stresses throughout the entire geogrid structure.
- **High Mechanical Interlock** – The variable aperture size of the TerraGrid multi-layered geogrids provides exceptional mechanical interlock with a wide range of soils classifications.
- **High Tensile Modulus** – TerraGrid B100 & B120 geogrids have high tensile modulus, providing tensile reinforcement with minimal elongation.
- **High Resistance** – Manufactured from select polypropylene, TerraGrid B100 & B120 geogrids are inert and unaffected by chemicals found in most soil environments.

Benefits of TerraGrid Geogrids

TerraGrid multilayered geogrids offer more tensile elements per unit area than a single layered geogrid. This allows for better interaction with the aggregate. This interlocking helps confine and preserve compaction, thereby reducing vertical pressures on the subgrade.

Benefits include savings in aggregate thickness of up to 30% in flexible pavement systems and improved long-term performance compared to similar nonreinforced sections.



Item #	Code	Description	Stock*
B100	GEO	TerraGrid B100 Subgrade Improvement Biaxial Geogrid	A
B120	GEO	TerraGrid B120 Subgrade Improvement Biaxial Geogrid	A



TerraCell

Cellular Confinement System

TerraCell is an innovative geosynthetic product providing solutions for difficult stabilization, erosion control, slope and retaining wall challenges. TerraCell, generically referred to as a "geocell," confines native or select fill materials and is the integral component of a cellular confinement system.

TerraCell is a lightweight, flexible mat made of high density polyethylene strips. These strips are ultrasonically bonded together to form an extremely strong, honeycomb configuration. A variety of fill materials can be placed within the TerraCell system: soil, sand, aggregate, concrete, etc. The use of TerraCell and the appropriate fill material create numerous opportunities for versatile and economical solutions for many applications.

TerraCell is available in various heights (3", 4", 6", 8") and three different cell sizes: TerraCell 140 (small), TerraCell 175 (intermediate) and TerraCell 280 (large). It can be supplied in solid wall or perforated (to allow flow between cells) styles. Holes can be made in TerraCell to facilitate a tendoning system for some applications. TerraCell can be manufactured into custom sizes for specific requirements (e.g. retaining wall fascia). TerraCell is available in the color Black or the custom colors of Tan or Green.

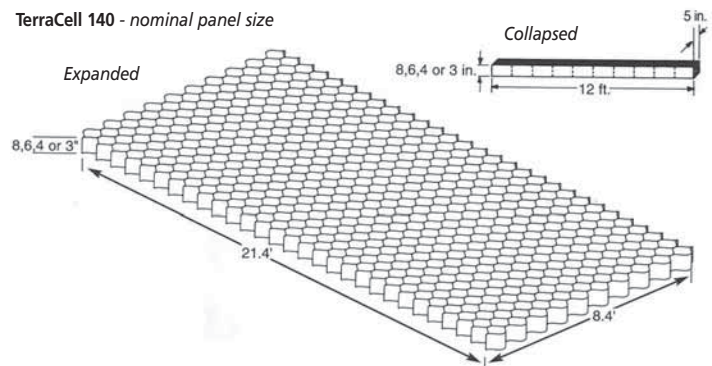


Applications

- Ground stabilization
- Slope erosion control
- Retaining walls
- Stream crossings
- Channel erosion control
- Embankments

Item	Code	Expanded Dimensions	Stock*
TerraCell 140	GEO	8.4 ft. x 21.4 ft. x cell height Panel area: 180 sq. ft. (nominal) Cell area: 10.28" x 8.8" (44.8 sq. in. nominal)	A
TerraCell 175	GEO	8.4 ft. x 27.4 ft. x cell height Panel area: 230 sq. ft. (nominal) Cell area: 12.6" x 11.3" (71.3 sq. in. nominal)	A
TerraCell 280	GEO	8.4 ft. x 45 ft. x cell height Panel area: 378 sq. ft. (nominal) Cell area: 20.0" x 18.7" (187 sq. in. nominal)	A

TerraCell 140 - nominal panel size



*Y = stock item; A = readily available by order

Erosion Control

Silt Fence

Pre-assembled silt control fence.

- Regular and mesh-backed styles
- Quality pointed hardwood staked
- UV-stabilized fabric
- Spec fence for state and federal projects



Item #	Code	Description	Size	Stock*
SF	IVI	11-Stake Standard Silt Fence	36" x 100'	Y
SFDOT	IVI	17-Stake NYSDOT Silt Fence	36" x 100'	Y
SFDTMESH-17	IVI	17-Stake NYSDOT 3611MC Silt Fence	36" x 100'	Y
SFWIRE-17	IVI	17-Stake NYSDOT Wire Silt Fence	36" x 100'	Y

Sand Bag

For general construction, coffer dams, landfills and flood control.

- Available in high UV polypropylene or burlap bags



Item #	Code	Description	Size	Stock*
POLYBAG	IVI	Polypropylene Sand Bag	14" x 26"	Y
BURLAP.BAG	IVI	Burlap Sand Bag	17" x 27"	Y

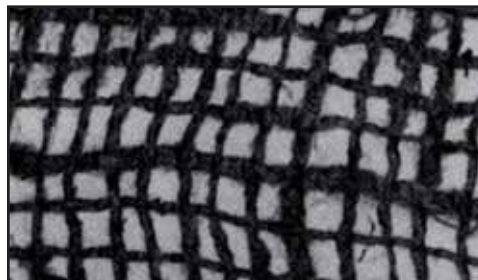
Cubic Yard Bag

Cubic Yard Bags are an effective solution when used as coffer dams during shoreline construction projects.

- Produced from virgin resins
- Perimeter reinforcement bands and corner loops for lifting
- Fabric weight: 6 oz. per square yard
- Rated at 3,000 lb.



Item #	Code	Description	Size	Stock*
BULKBAG	IVI	Cubic Yard Bag	35" x 35" x 45"	Y



Jute Mesh and Staples

All-natural, erosion control fabric.

- 100% biodegradable
- Meets all state and federal specifications
- Prevents erosion on steep slopes and critical landscape areas
- 1" openings act as tiny check dams

Item #	Code	Description	Size	Stock*
JUTE.MESH	IVI	Jute Mesh	4' x 225' (100 sq. yd.) Roll	Y
JUTE.STAPLE	IVI	Staples - 11 gauge	6" x 1" - 1,000/Box	Y

Sedimat™

A patented, in-stream sedimentation control device. Effectively used in utility installation, culvert replacements, ditch maintenance and bridge work.

- Excellent first flush protection
- Prevents silt damage to stream beds during construction
- Protects oxygenated gravel
- Easy to install
- 100% biodegradable



Item #	Code	Size	Stock*
—	IVI	4' x 10' mat	A

Turbidity Curtain

Turbidity curtain is an in-the-water silt fence designed to prevent the flow and/or washing of disturbed debris in a water source caused by construction. The curtain is designed and manufactured to meet specifications determined by water flow rate, depth of channel to be crossed or controlled, desired filtering properties of geotextile curtain, tide action and length of time curtain is to be utilized. A variety of fabrics are available to meet environmental goals.

- Standard 50' length with 8' grommetted flotation chamber
- Available in any size



Item #	Code	Size	Stock*
—	IVI	Call for information	A

Erosion Control

ECS-1 Straw Single Net Blanket ECS-2 Straw Double Net Blanket

Ideal for erosion protection and the establishment of vegetation for up to 12 months. The ECS-1 is an erosion control blanket designed for low maintenance areas such as subtle grades, swales, roadside slopes and on slopes ranging from 4:1 to 3:1. The ECS-2 is an erosion control blanket designed for moderate flow drainage channels and on slopes ranging from 3:1 to 2:1. The double netting ensures more efficient erosion protection and plant growth than the single layer of netting.



ECS-1 & ECS-2

The ECS-1 and ECS-2 blankets are made from 100% agricultural straw. ECS-1 is stitched with degradable thread to a single layer of photodegradable polypropylene netting. ECS-2 is stitched with degradable thread between two layers of degradable polypropylene netting.

- Permissible Shear Stress: ECS-1 – 1.55 lb/ft²; ECS-2 – 2.1 lbs/ft²
- ECS-1 Style Comparative: North American Green S75™, Excelsior SR-1™, Landlok® S-1
- ECS-2 Style Comparative: North American Green S150™, Excelsior SS-2™, Landlok® S-2
- Accelerated degradable netting available

Item #	Code	Description	Size	Stock*
ECS-1	IVI	Single Net Straw Blanket	8" x 112.5"	Y
ECS-2	IVI	Double Net Straw Blanket	—	A

AEC Premier Straw/Coconut Blanket

AEC (American Excelsior Company) Premier Straw/Coconut blankets are degradable erosion control blankets consisting of the finest certified weed seed-free, agricultural straw fibers and the highest quality strands of coconut fiber. The blend of 30% coconut fibers and 70% straw fibers extends the degradable life up to 24 months, depending on the job site.



Applications

- Utility transmission right-of-way
- Slope stabilization
- Highway and landfill construction
- Urban drainage
- Stream banks and waterways



Item #	Code	Description	Size	Stock*
AEC-PSC	IVI	Straw/Coconut Blanket	8" x 112.5"	Y

Filter Bag

Filter (Dewatering) Bags are used for collecting silt and debris from water being pumped from ditches, runoff collection ponds and drilling, before it is allowed to leave a construction site.



Nonwoven and woven geotextiles are used to manufacture the bags, which range in size from 3' x 3' to 15' x 15' (standard sizes), and heavy-duty tubes up to 45' circumference and in lengths 50' and 75' used in dredging applications.

Item #	Code	Description	Size	Stock*
FILTERBAG-15X15	IVI	10 oz. Filter Bag	15' x 15'	Y
FILTERBAG-6X6	IVI	8 oz. Filter Bag	6' x 6'	Y

Concrete Curing



Burlap/Burlene

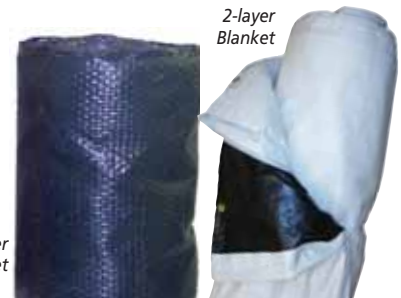
For concrete curing, drags and covers.
• Conforms to all state and federal specifications



Item #	Code	Description	Size	Stock*
BURLAP-4X300	IVI	10 oz. Burlap roll	48" x 300'	Y
BURLAP-5X300	IVI	10 oz. Burlap roll	60" x 300'	Y
BURLENE-10X100	IVI	Burlene (poly-coated burlap)	10' x 100'	Y
BURLENE-20X100	IVI	Burlene (poly-coated burlap)	20' x 100'	Y

Bubble Blanket

Single Layer Blanket



2-layer Blanket

Item #	Code	Description	Size	Approximate R value	Stock*
CB6X25-12	POL	2-Layer Bubble Blanket	6' x 25'	3	Y
CB8X125	POL	Single Layer Bubble Blanket	8' x 125'	1.1 on ground 1.75 on concrete	Y

ULTRACureNCF™

Single Use Wet Curing Blanket

The patented UltraCureNCF (Natural Cellulose Fabric) curing blanket provides thorough hydration, less discoloration and a more evenly cured slab when compared to other wet curing methods. Unlike other blankets, which tend to dry out after three or four days, UltraCureNCF (Natural Cellulose Fabric) provides constant hydration and maintains a 100% relative humidity condition on a slab for the required seven-day curing period.



Item #	Code	Size	Stock*
ULTRACURENCF	CUR	8' x 200'	Y

*Y = stock item; A = readily available by order

Drainage



Two-Hole Drain Sump – 2HDS-1

This simple, reliable, easy-to-install drain sump is strong, noncorrosive, stable and permanent. Made of High Density Polyethylene (HDPE) and features Tuf-Tite's self-sealing pipe seals. Two-hole drain sump comes with a black or green 11" x 11" grate and choice of three fittings. Sump is 15½" tall; holes are 4½" from top.



P10 Seal

Item #	Code	Size	Stock*
2HDS-1	TUF	2-hole Drain Sump w/black grate & P10 seal	Y

Trench Drain w/ADA Grate – TR1

The TR1 is made of HDPE and features snap-together construction. Includes trench, grate, snap-on end caps and easy-out bottom drains for 2", 3" or 4" pipe. Comes completely assembled and ready to install. TR-1 is 6¾" wide at the base, 36" long on each side and 5" deep.



- Molded-in ribs for exceptional rigidity
- 235 psi industrial strength
- H-20 Wheel Load Rating (Heavy Traffic).
- Grate complies with Americans with Disabilities Act

Item #	Code	Size	Stock*
TR1	TUF	3' Trench Drain with ADA grate	Y

Corner Section – TR1-90

TR1-90 is a 90° HDPE corner unit for the TR1 Trench Drain. It has molded ends for snap-together installation and comes assembled with grate and screws. Corner Section is 6¾" wide at the base, 8¾" long on each side (at the base) and 5" deep.



Item #	Code	Size	Stock*
TR1-90	TUF	90° Corner Section	Y

Male End Drain – TR1-D4

For Trench Drain TR1.

Accepts:

- 4" SDR35-3034 Pipe
- 4" 2729 Pipe
- 4" corrugated pipe when used with an MF-4 pipe connector



Item #	Code	Size	Stock*
TR1-D4	TUF	Male End Drain Cap Outlet	Y

PolyDrain® Trench Drain System



Pre-Sloped Radius Channel

Standard PolyDrain channels have a built-in 0.6% slope with a smooth radius bottom and a narrow cross section. These features provide excellent hydraulic efficiency and, when hydraulically loaded, can achieve flow velocities of 3.5 feet per second.

- Anchoring ribs
- Interlocking joints
- PolyLock™ inserts



400 Series Grate

Perforated Heel-Proof Grate

- Special coatings available on all grates
- Meets Americans with Disabilities Act (ADA) requirements

Item #	Code	Load Class	Material	Length m (in)	Weight kg (lb)	Locking Device	Stock*
ABT410	ABT	A	Galvanized Steel	1.0 (39.19)	2.7 (6)	810A	Y

Slotted Steel Grate

- Special coatings available on all grates

Item #	Code	Load Class	Material	Length m (in)	Weight kg (lb)	Locking Device	Stock*
ABT420	ABT	A-B	Galvanized Steel	1.0 (39.19)	2.7 (6)	811A	Y



500 Series Grate

Slotted Grate

- Meets or exceeds all AASHTO grate load standards
- Ductile iron grates and frames available with galvanized coating
- Ductile and cast grates have compatible anchor frames

Item #	Code	Load Class	Material	Length m (in)	Weight kg (lb)	Locking Device	Stock*
ABT502	ABT	A-B-C-D	Ductile Iron	0.5 (19.60)	3.6 (8)	811B	Y

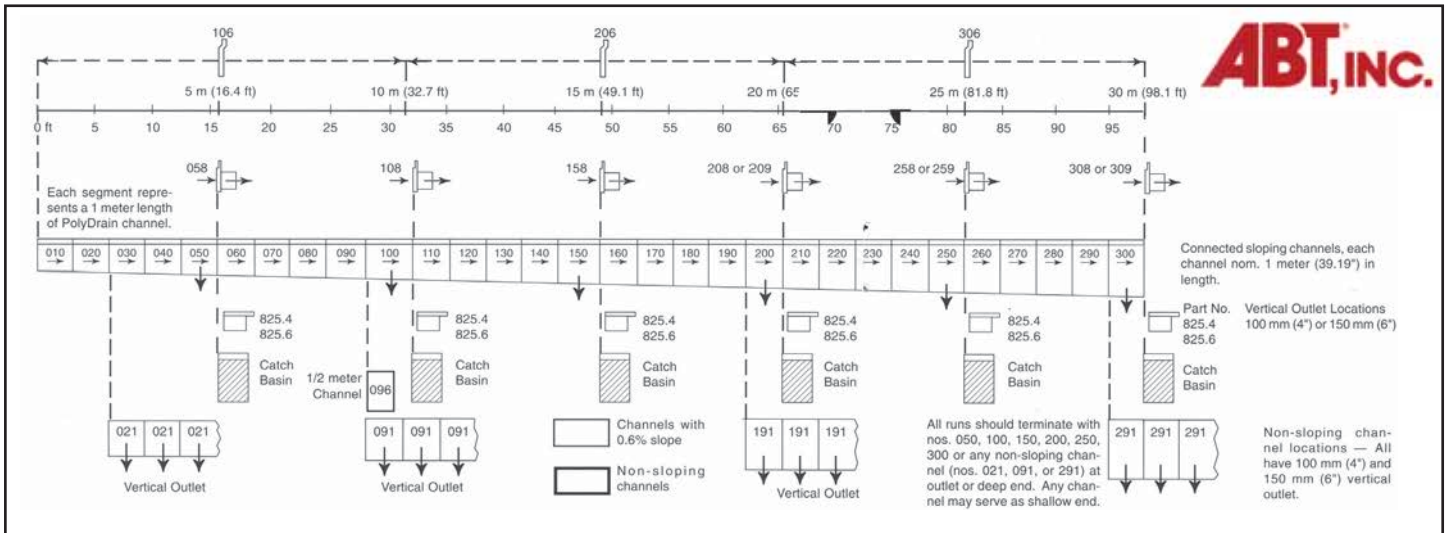
510AF Fabrication/End Frame

- Ductile iron grates and frames available with galvanized coating
- Ductile and cast grates have compatible anchor frames

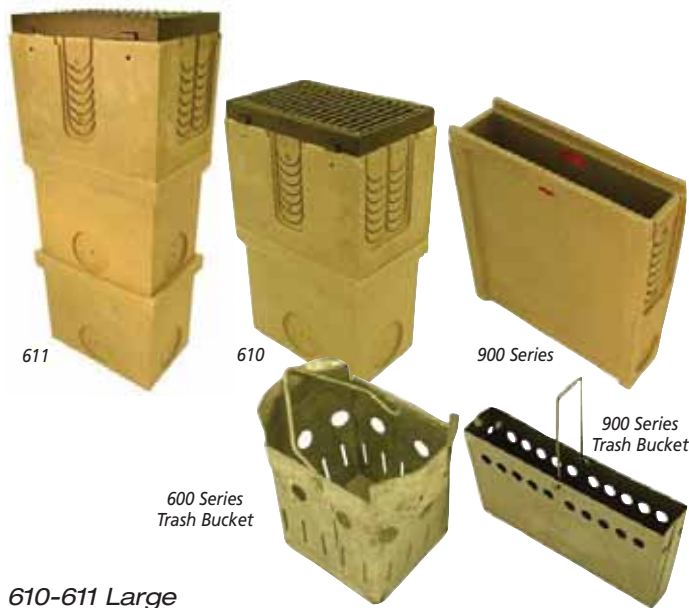
Item #	Code	Load Class	Material	Length m (in)	Weight kg (lb)	Locking Device	Stock*
510AF	ABT	N/A	Ductile Iron	0.5 (19.60)	4.1 (9)	N/A	Y

*Y = stock item; A = readily available by order

Drainage



PolyDrain Catch Basins



610-611 Large Catch Basins

PolyDrain's 610 and 611 Large Catch Basins are designed to accept large volumes of fluids. Removable galvanized steel trash buckets are available and a cast iron grate and frame is included.

900 Series Small Catch Basins

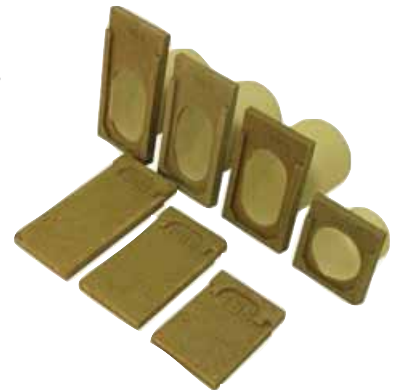
PolyDrain's 900 Series Catch Basins have the same outside dimensions as standard PolyDrain channels. Designed to accept sidewall extensions, they can be positioned any place in a channel run. They are available with easy-to-remove galvanized steel trash buckets and can accept the full range of lockage inlay or frame-and-grate systems.

Please call for pricing, availability and specifications.

PolyDrain Accessories

Inlets and Outlets

All 100 mm (4") horizontal plates have inlet or outlet capability. As outlets, they fit the downstream end of every fifth channel, or as inlets, the upstream end of the following channel. Vertical outlet plates fit over the cutouts on each of the outlet channels.



Locking Devices

Grate locking devices are recommended for all applications involving vehicular traffic, or where vandalism may be a problem. Locking devices are provided in zinc-plated and stainless steel.



PolyClip™ Installation Aids

PolyClip was developed to speed channel installation and make the joining of the channels more secure before the pour. PolyClip consists of two special securing brackets—a "no-float" U-shaped leg that serves to maintain proper height and keep channels from floating during the pour and a securing bolt to keep the entire appliance attached to the channel.



Drainage

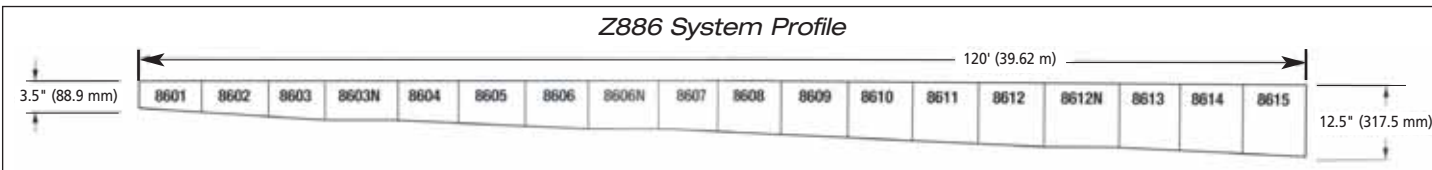
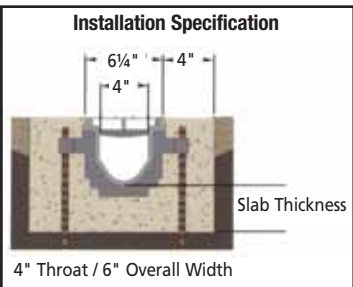
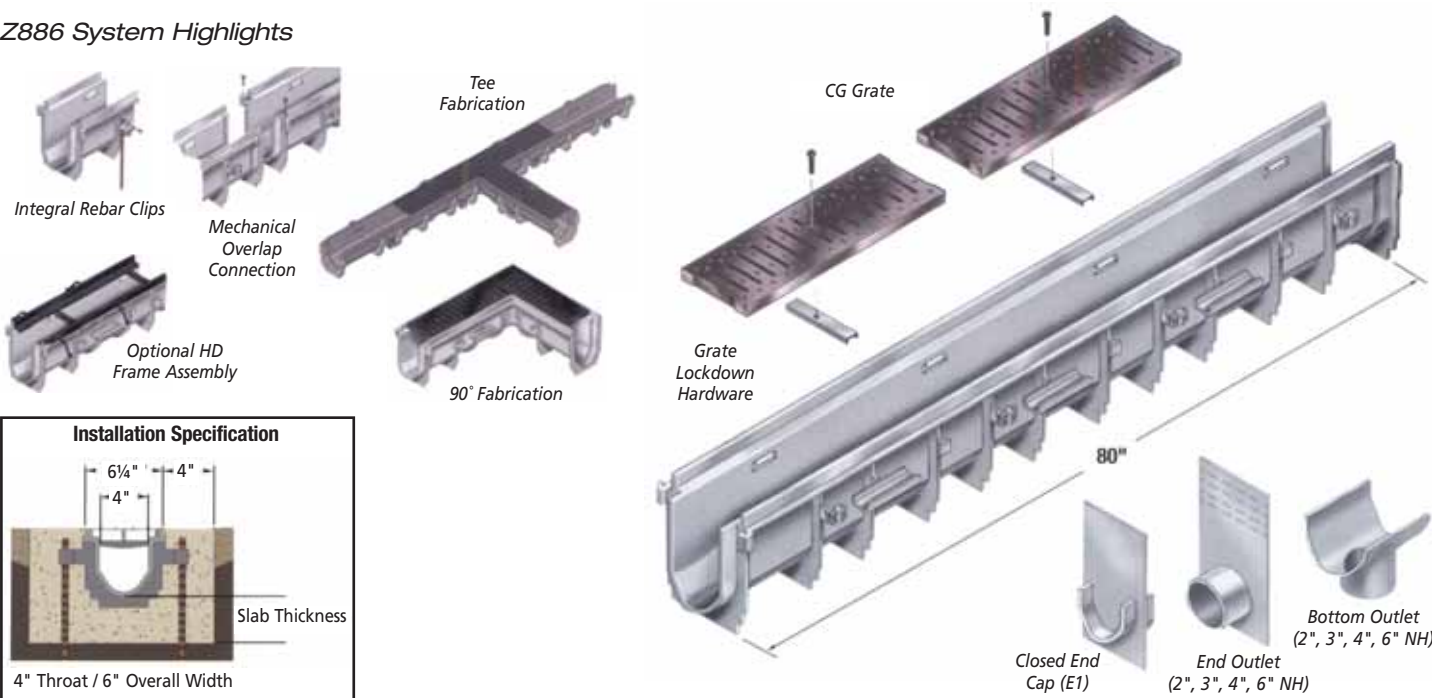
Z886 Perma-Trench High Density Polyethylene (HDPE) 6" Drain System



Features and Benefits

- 80" modular channel sections with 20" grates
- .75% built-in slope—handles greater flows, uniform slope
- Radiused bottom—better flow rate, less solids build-up
- Smooth, HDPE structural composite interior—0% water absorption
- Durable and lightweight—strong corrosion-resistant material
- Extra long runs—sidewall extensions allow pre-slope runs longer than 120'
- Variety of gratings

Z886 System Highlights



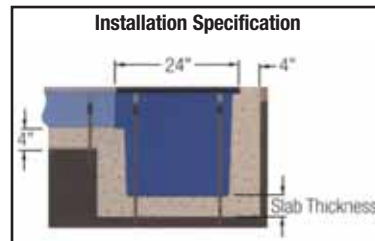
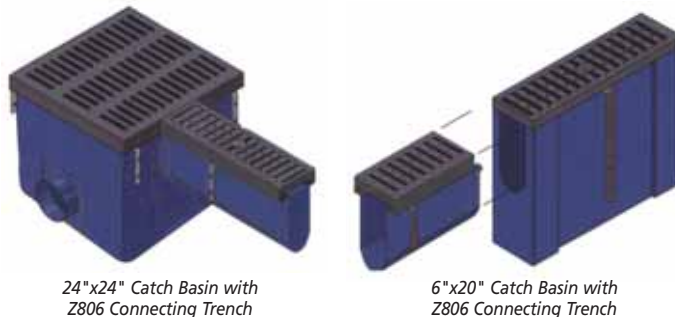
Z817 Flo-Thru Catch Basin

6" x 20" Catch Basin

The 6" x 20" basin is meant to be used as an in-line sump for applications where, from the top surface, the visual appearance is of continuous 6" wide Z806 trenching. Simply trace and cut the trench section to be connected into the end of the basin, insert into the basin, bolt together and caulk around the exterior.

12" x 24" and 24" x 24" Catch Basin

The larger catch basins, 12" x 24" x 24" and 24" x 24" x 24", provide greater sump capacities for larger trench runs. These catch basins can be used with Z806 and Z812. These basins have an external trench adapter supplied to make the transition between the trench and basin. This adapter, along with the hardware, is supplied by Zurn to make a fast and easy connection to any basin. Additional adapters can be used to make numerous connections of trench into the catch basin.



The complete Zurn product line is available - call us.

Concrete Chemicals - Cracking Agent

BETONAMIT Nonexplosive Cracking Agent



A breakthrough in demolition technology, Betonamit can crack any hard rock or reinforced concrete. Produced in powder form, Betonamit need only be mixed with water and poured into pre-drilled holes for dramatic results.

- Sold in convenient, resealable 11-lb. (5.0 kg) plastic containers
- Easy storage; shelf life of up to one year

Demolition with Betonamit is literally as easy as one, two, three:

1. Drill

Hole diameters range from 1¼" to 1½", with spacing and depth dependent on the strength of the material.

2. Mix

Following pre-determined guidelines, Betonamit is mixed with water in amounts and at temperatures dependent upon the temperature of the material being broken.

3. Pour

All holes are filled to the top, beginning with the outer holes and working toward the center.



The Result

When the guidelines provided in Betonamit's technical manual are strictly adhered to, the agent will achieve a cracking pressure of more than 12,000 psi. Depending on project conditions, desired results can be achieved in as little as four hours.



Item #	Code	Description	Size	Stock*
BETONAMIT-11	BET	Betonamit Cracking Agent	11 lb.	Y

*Y = stock item; A = readily available by order

Concrete Chemicals - Form Release

Form Release

Environmentally friendly "green" technology

- Exceeds Federal VOC Regulations
- Exceeds California VOC Regulations
- Biodegradable
- Nontoxic
- Solventless
- Nonflammable



Crete-Lease 880-VOC

Crete-Lease 880-VOC excels in architectural concrete, high-rise, poured walls, bridge deck shear keys, prestress T- and I-beams, site-cast columns, potable water projects and matching precast with site-cast concrete.

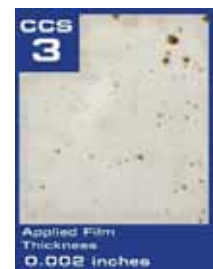
- Unsurpassed for eliminating bug holes even with super-plasticized concrete
- Excellent with every type and style of form facing except expanded polystyrene
- Available in an aerosol spray can

Super-Strip 65 Form Releaser

Super-Strip 65 permits removal of forms, form liners, pallets, etc. from hardened concrete. It is intended for use where a CCS 4 or CCS 5 surface is acceptable.

- Exceeds Federal VOC regulations
- Minimizes formation of bug holes
- Helps keep forms clean—especially aluminum forms

Limitations: Not recommended for forms or form liners made from expanded/extruded polystyrene, SBR or natural rubber or latexes made from these. You may want to thin Super-Strip 65 in cold weather.



Item #	Code	Description	Size	Stock*
880VOC-5	CRS	VOC Vegetable/Mineral Form Oil	5 Gallon	Y
880VOC-55	CRS	VOC Vegetable/Mineral Form Oil	55 Gallon	Y
SUPERSTRIP65-5	CRS	DOT VOC Form Oil	5 Gallon	Y
SUPERSTRIP65-55	CRS	DOT VOC Form Oil	55 Gallon	Y

Concrete Chemicals - Coatings

Duralkote 240

High Build, Flexible Epoxy Coating

Two component, 100% solids, high performance, epoxy based maintenance coating system designed for use on walls and floors.

- Produces a tile-like, easily maintained surface
- Can contribute to LEED points
- Uses: show rooms, clean rooms, labs, truck and auto bays, warehouse floors, chemical process and manufacturing plants, water treatment facilities, breweries and food service plants

Item #	Code	Description	Stock*
DURALKOTE240	EUC	(2) 2 gallon containers in a 4 gallon case	Y

Duraltex Versatile Epoxy Flooring Binder

A 100% solids, two component epoxy binder.

- Coatings, broadcast floors, chip floors, and trowel-down
- Anti-microbial and chemical resistant
- Can contribute to LEED points
- Uses: warehouses and garage floors, manufacturing plants, workshops, loading docks, educational facilities and hospitals, kitchens and washrooms

Item #	Code	Description	Stock*
DURALTEX-CLEAR3	EUC	Clear - two component - 3 gallon	Y
DURALTEX-LTGRY3	EUC	Light gray - two component - 3 gallon	Y

Eucopoly Tufcoat

Two Part, High Performance Epoxy Coating

High performance floor-coating system designed to provide concrete surfaces with excellent wear resistance in combination with protection against chemical attack. These outstanding properties are further enhanced by the availability of a wide selection of semi-gloss colors for superior aesthetic benefits. Eucopoly Tufcoat is a two part coating that can be used as a primer for most products in the Eucopoly Tufcoat line.

Eucopoly Tufcoat VOX

Water Based, Epoxy Polyamide Coating

Eucopoly Tufcoat VOX is a two component, water based, low odor, epoxy-polyamide coating. It acts as a tough, abrasion-resistant membrane that withstands wear and chemical attack in a variety of applications. Eucopoly Tufcoat VOX should be used in many areas where a solvent-based product is not permitted. Eucopoly Tufcoat VOX comes in a variety of colors and provides a semi-gloss finish. This coating may be used as a primer for many of the other products in the Eucopoly Tufcoat family.

Item #	Code	Description	Stock*
—	EUC	Eucopoly Tufcoat	A
—	EUC	Eucopoly Tufcoat VOX	A



EUCLID CHEMICAL
Tamms

Concrete Chemicals - Waterproofing & Dampproofing

Concrete Finisher

Cement Based Decorative and Dampproofing Coating

Portland cement-based dampproofing coating.

- Trowel or spray applied
- Fills and levels surface
- Eliminates the high cost of hand rubbed finishing
- Uses: interior/exterior, above/below grade, masonry, brick, stone, stucco and cement plaster



Item #	Code	Description	Stock*
CONCRETEFINISH	EUC	70 lb. bag	Y

Tamoseal Cement Based Waterproofing Finish

Cement based, polymer modified material designed to waterproof and decorate concrete and masonry.

- Becomes an integral part of substrate
- Breathable and durable
- Uses: interior/exterior, concrete and block walls and foundations, water tanks, reservoirs and manholes

Item #	Code	Description	Stock*
TAMOSEAL-GRAY	EUC	Gray color - 50 lb. bag	Y

Concrete Chemicals - Joint Fillers & Sealants

Euco QWIKjoint 200

Polyurea Floor Joint Filler

Fast setting, semi-rigid polyurea used for filling control and construction joints in industrial concrete floors. Euco QWIKjoint 200 has a super fast set time and an extended shave time—shave immediately after placement or up to 24 hours later. It supports and protects joint edges from heavy loads and wheel traffic, reducing spalling of the joint edges.

Euco QWIKjoint 200 is a two part product available in 24 standard colors. Part A is a transparent amber and Part B is pigmented accordingly.

- No bubbles—no foaming
- Tough performance reduces floor joint repairs and maintenance
- Suitable for filling cracks in older floors to reduce the rate of joint deterioration
- Less moisture sensitive than standard polyureas
- Will cure in temperatures as low as -20°F (-29°C)
- Uses: concrete construction and control joints, crack repair for old floors, industrial and commercial floors, freezer floors

Item #	Code	Description	Stock*
QWIKJOINT200-220Z	EUC	22 oz. side-by-side cartridge - Gray color	Y

*Y = stock item; A = readily available by order

Concrete Chemicals - Curing & Sealing

Aqua-Cure VOX *Water Based Cure and Seal*

Aqua-Cure VOX is a low odor, water based membrane forming liquid for curing and sealing concrete.

- Forms an efficient moisture barrier for optimum curing of concrete
- Seals concrete surfaces to protect against the effects of weathering
- Hardens concrete surfaces by promoting proper cement hydration
- Helps eliminate dusting through good strength development
- Dries to a clear transparent film that resists yellowing under exterior or ultraviolet exposure (see precautions/limitations)
- Gives an alternative to solvent based materials where fumes may be objectionable, undesirable or noncompliant
- Can contribute to LEED points
- Uses: hospitals, exterior concrete, walls, industrial floors, basements and footings, interior and exterior concrete surfaces, pavements



Item #	Code	Description	Stock*
AQUACUREVOX-5	EUC	5 gallon pail	Y
AQUACUREVOX-55	EUC	55 gallon drum	Y

Super Aqua-Cure VOX

High Solids, Water Based Cure and Seal

Water based, low odor, membrane forming liquid for curing, sealing, dustproofing and hardening concrete. Super Aqua-Cure VOX is suitable for use over new and old concrete and performs well on both interior and exterior concrete.

Item #	Code	Description	Stock*
—	EUC	Super Aqua-Cure VOX	A

Super Diamond Clear VOX

High Solids, Water Based, Nonyellowing Cure and Seal

High solids acrylic, emulsion blend curing and sealing compound for freshly placed concrete. This product provides a quality cure and seal while assuring total resistance to yellowing from ultraviolet exposure.

- Provides a totally clear membrane for new or existing concrete that will not yellow (ask to see precautions/limitations)
- Seals all concrete surfaces providing a glossy appearance and easier clean-up
- Hardens new concrete by promoting a proper cure for increased abrasion resistance
- Dustproofs concrete with a tough durable film
- Helps minimize spalling of exterior concrete
- Uses: interior and exterior concrete surfaces, walls and columns, basements, driveways, industrial floors



Item #	Code	Description	Stock*
S-DIACLVOX-5	EUC	5 gallon pail	Y

Diamond Clear VOX

Nonyellowing, Water Based Cure and Seal

Water based, acrylic polymer blend curing and sealing compound for freshly placed concrete.

Item #	Code	Description	Stock*
—	EUC	Diamond Clear VOX	A

EverClear VOX

Water Based, Low VOC, Acrylic Sealer for Concrete

EverClear VOX is a water based, pure acrylic sealer for concrete with excellent blush resistance and total resistance to yellowing from UV exposure. This sealer imparts an attractive gloss and protection to all concrete surfaces, and is especially suited for decorative concrete.

- Low odor
- Excellent abrasion and blush resistance
- Excellent recoatability
- Complies with all U.S. EPA and local VOC regulations, including OTC, Maricopa County, and California (CARB)

Item #	Code	Description	Stock*
EVERCLEARVOX-5	EUC	5 gallon pail	Y

Diamond Clear 350

Exempt, Solvent Based, Concrete Curing Compound and Cure and Seal

Low VOC, nonyellowing concrete curing compound and cure and seal used to cure and seal exterior concrete. Diamond Clear 350 is formulated with a unique exempt solvent blend that gives this product all the performance benefits of traditional solvent-based curing and sealing products while ensuring compliance with VOC laws in regulated areas.

- Seals all concrete surfaces providing a glossy appearance and easier clean-up
- Improves new concrete by promoting a proper cure and development of a strong surface
- Dustproofs concrete with a tough durable film
- Uses: curing and sealing concrete surfaces

Item #	Code	Description	Stock*
DIAMONDCLEAR350-5	EUC	5 gallon pail	Y

Super Diamond Clear 350

Nonyellowing, Low VOC, Exempt Solvent Based, Concrete Curing Compound and Cure and Seal

State-of-the-art concrete curing compound and cure and seal specially designed with a high solids formulation to provide the most efficient moisture retention for proper cement hydration and strength gain, as well as protection from liquids, weathering and abrasion. Super Diamond Clear 350 is particularly well suited for exterior architectural concrete where membrane yellowing is undesirable. Super Diamond Clear 350 is formulated with a unique exempt solvent blend that gives this product all the performance benefits of traditional solvent based curing and sealing products while ensuring compliance with VOC laws in regulated areas.

- Seals all concrete surfaces providing a glossy appearance and easier clean-up
- Improves new concrete by promoting a proper cure and development of a strong surface
- Dustproofs concrete with a tough durable film
- Will not yellow under ultraviolet exposure
- Good blush resistance in damp areas
- Uses: exterior or interior concrete surfaces, walls and columns, terrazzo floors, curing architectural concrete

Item #	Code	Description	Stock*
S-DIACLEAR350-5	EUC	5 gallon pail	Y



EUCLID CHEMICAL

*Y = stock item; A = readily available by order

Concrete Chemicals - Curing & Sealing

EverClear 350

Acrylic Curing Compound and Cure and Seal for Decorative Concrete

Pure acrylic curing compound and cure and seal that protects and enhances the appearance of concrete with a clear, nonyellowing film that is more durable than standard polymer blend cure and seal products. EverClear 350 is formulated in an exempt solvent carrier formulated for use in VOC-regulated areas. EverClear 350 is designed to enhance the color of stamped concrete, exposed aggregate and colored concrete pavers, making these surfaces look deeper and richer in appearance. EverClear 350 is also an excellent product for curing and sealing residential concrete driveways, sidewalks and patios. It provides protection against the damaging effects of traffic, weather and de-icing salts, while allowing the concrete to "breathe." Applied properly, EverClear 350 will not turn white in the presence of moisture. EverClear 350 gives concrete a satin finish that highlights the color and texture of surfaces without excessive shine or slipperiness.

Item #	Code	Description	Stock*
EVERCLEAR350-5	EUC	5 gallon pail	Y

Kurez DR VOX *Dissipating Curing Compound*

Reduced odor, liquid membrane-forming curing compound formulated from hydrocarbon resins. The membrane coating provides an excellent initial cure for concrete, then begins to break down and deteriorate upon exposure to traffic and UV light.

- Use of this product ensures proper curing resulting in stronger, more wear resistant concrete
- Helps to minimize dusting
- Breaks down quickly to allow subsequent application of floor coverings
- Quickly and easily applied by spray application
- Available in a fugitive dye formulation
- Uses: interior and exterior** concrete; concrete that will later receive a covering or coating; where a long term membrane film is not desired on the concrete surface

**Product may discolor when exposed to sunlight

Item #	Code	Description	Stock*
KUREZDRVOX-5	EUC	5 gallon pail	Y
KUREZDRVOX-55	EUC	55 gallon drum	Y



Kurez VOX White Pigmented

White Pigmented, Water Based Curing Compound

Kurez VOX White Pigmented is a wax based, white pigmented liquid membrane forming curing compound for new concrete requiring a reflective curing membrane. The membrane allows the concrete to retain sufficient water in order to achieve the designed strength while providing reflectivity to minimize heat build-up in direct sun.

- Helps harden concrete through the promotion of proper cement hydration
- Suitable replacement for solvent based cures where fumes are objectionable
- Designed primarily for exterior applications where reflectivity is needed
- No odor
- Can contribute to LEED points
- Exterior paving, walls, columns and jersey barriers, residential concrete, sidewalks, curbs and gutters, bridge decks and parapet walls, commercial concrete

Item #	Code	Description	Stock*
KUREZWHITEVOX-5	EUC	5 gallon pail	Y



EUCLID CHEMICAL

Eucosil

Densifier, Sealer and Dustproof for Concrete

Water based sodium silicate solution used to densify, seal and dustproof concrete.

- No solvent vapors when applying
- Equipment can be cleaned with water
- Can be tiled over
- Can contribute to LEED points
- Resists penetration of water, oil and chemicals
- Uses: interior and exterior horizontal concrete, educational and medical facilities, office and multi-residential buildings, warehouse floors, food storage areas

Item #	Code	Description	Stock*
EUCOSIL-5	EUC	5 gallon pail	Y

Euco Diamond Hard

Liquid Densifier and Sealer

Unique blend of silicate and silicate polymers that penetrate concrete surfaces and chemically react to provide an increase in surface density, durability and abrasion resistance.

- Minimizes tire marks and enables them to be more easily removed
- Equipment can be cleaned with water
- Compatible with bond breakers for tilt-up projects
- Can contribute to LEED points
- Reduces porosity and increases durability of the concrete surface
- Complies with VOC regulations across North America
- Resists penetration of oil and liquids
- Uses: interior and exterior, warehouse floors, commercial floors, manufacturing plants, distribution centers, polished concrete

Item #	Code	Description	Stock*
DIAMONDHARD-5	EUC	5 gallon pail	Y
DIAMONDHARD-55	EUC	55 gallon drum	Y



Surfhard

Chemical Densifier and Dustproof for Concrete

Water based, magnesium silicofluoride solution that reacts chemically with alkaline materials in concrete to produce a more dense, durable and chemically resistant floor.

Item #	Code	Description	Stock*
—	EUC	Surfhard	A

Surflex *Nonmetallic Floor Hardener*

Quartz-silica mixture of finely graded nonmetallic aggregates, plasticizer and cement binder. It is an economical concrete floor hardener recommended for both interior and exterior use. It is particularly valuable because of its nonrusting characteristics when floors will be frequently wet. Surfex is available in eight nonfading colors as well as natural.

Item #	Code	Description	Stock*
—	EUC	Surflex	A

*Y = stock item; A = readily available by order

Concrete Chemicals - Curing & Sealing

Sonneborn

Kure-N-Seal™ W

A transparent, acrylic, 20% solids, water based curing, sealing and dustproofing compound. Use it on freshly placed and finished concrete and aged concrete floors. It is UV and weather resistant and is compatible with a variety of adhesives.

Item #	Code	Description	Stock*
KURENSEALW-5	SON	5 gallon pail	Y
KURENSEALW-55	SON	55 gallon drum	Y



Kure 1315

A transparent, water based blend of acrylic polymers used to cure, seal and dustproof freshly placed and finished concrete floors. It contains no oils, saponifiable resins, waxes or chlorinated rubbers. Kure 1315 is abrasion resistant and has a semi-gloss appearance to make surfaces look newer and brighter. It complies with ASTM C 1315 Type I Class A.

Item #	Code	Description	Stock*
KURE1315-5	SON	5 gallon pail	Y
KURE1315-55	SON	55 gallon drum	Y

Lapidolith®

A colorless, water based solution containing chemically active concrete hardening agents. Penetrates concrete and terrazzo floors and reacts with free lime to create hard, insoluble surfaces resistant to heavy traffic.

Item #	Code	Description	Stock*
—	SON	Lapidolith	A

Kure-N-Harden™

A water soluble, inorganic silicate-based compound used on fresh and cured concrete to create a tough, abrasion resistant surface for busy traffic areas. It applies easily, dries quickly and is readily recoatable, saving on labor and turnaround time. When buffed, Kure-N-Harden develops an attractive, polished sheen. It contains no VOCs.

Item #	Code	Description	Stock*
—	SON	Kure-N-Harden	A

Concrete Chemicals - Concrete & Mortar

High Strength Concrete Mix

- Use for applications requiring at least two inches in thickness, such as walks, footings, slabs, steps, and anchoring posts and poles
- Meets or exceeds ASTM C 387
- Use with cement colors, cement mix accelerator, cure and seal

Item #	Code	Description	Stock*
10360	SAK	60 lb. bag	Y
65200390	SAK	80 lb. bag	Y



Type-S Mortar/ Stucco Mix

- Use for load-bearing walls and construction above and below grade; laying brick, block and stone; stucco applications
- Exceeds ASTM C 387 and C 270
- Use with stucco or cement colors
- Gray color

Item #	Code	Description	Stock*
13160	SAK	60 lb. bag	Y



Enviroseal® 40

Clear, water based, 40% alkylalkoxysilane penetrating sealer. It provides long-lasting protection against moisture intrusion, freeze-thaw cycles and chloride intrusion.

- Excellent penetration
- Ideal for traffic-bearing surfaces
- Breathable
- Transparent and nonstaining
- One component
- Uses: interior/exterior, horizontal/vertical, above grade

Item #	Code	Description	Stock*
ENVIROSEAL40-5	SON	5 gallon pail	Y
ENVIROSEAL40-55	SON	55 gallon drum	Y

Enviroseal® Double 7 for Brick

High performance, water based, VOC compliant, clear silane/siloxane sealer designed for dense, vertical masonry surfaces like hard-burnt brick.

- Water repellent; highest water repellency for brick
- Excellent water bead
- Breathable
- Transparent and nonstaining
- Long-term protection
- Uses: interior/exterior, vertical, above grade

Item #	Code	Description	Stock*
ENVIROSEALDOUBLE7-1	SON	1 gallon pail	Y
ENVIROSEALDOUBLE7-5	SON	5 gallon pail	Y

BASF
The Chemical Company

*Y = stock item; A = readily available by order

Concrete Chemicals - Admixtures



EUCLID CHEMICAL

Euco Winter Admixture

Masonry Mortar Accelerator

Multipurpose liquid admixture designed to accelerate the normal setting rate of mortar, increase strength development at all ages, and to improve workability. It can be used safely with gray or white portland cement or colored masonry cements without causing discoloration.

- Aids in protecting mortar in cold weather
- Cuts construction cost — no cold weather job delay
- Uses: lay brick, block, structural clay tile and glass block to eliminate the dangers connected with freezing mortar joints

Item #	Code	Description	Stock*
WINTERADMIX-1	EUC	1 gallon jug	Y
WINTERADMIX-5	EUC	5 gallon pail	Y

Accelguard® 80

Accelerating, water-reducing admixture for concrete that does not contain calcium chloride or added chloride ions. It improves properties of plastic and hardened concrete, provides a significant improvement in early stiffening and setting characteristics, improved workability and decreased bleeding and segregation.

Accelguard® Standard

Chloride based, multipurpose concrete admixture designed to accelerate the normal setting time of concrete. Accelguard Standard improves the plastic and hardened properties of concrete such as workability, compressive and flexural strengths, and freeze-thaw resistance. Accelguard Standard densifies concrete and reduces its permeability.

Item #	Code	Description	Stock*
—	EUC	Accelguard 80	A
—	EUC	Accelguard Standard	A

Vapor Lock™ 1 & Vapor Lock™ 0/0



Ready-to-use, clear, water based penetrating sealers designed for application to the surface of above or below grade concrete, interior or exterior.

Vapor Lock 1 and 0/0 can be brushed, rolled or sprayed on concrete for sealing, hardening, dust proofing, water proofing and weather proofing. Both sealers protect concrete surfaces from abrasion and freeze-thaw damage and stops water seepage where it is not caused by cracking or other structural failure. Sealers are solvent-free, odor-free, nontoxic and nonflammable.

Vapor Lock 1 is frequently used as a pretreatment for other topically applied Vapor Lock products. Vapor Lock 0/0 provides the added benefit of preventing the intrusion of chemicals, salt and gasoline and the extrusion of moisture from the slab.

Item #	Code	Description	Stock*
CFV1L/118.9L/5 GAL	MGK	Vapor Lock 1 - 5 gallon pail	Y
CFV1L/018.9L/5 GAL	MGK	Vapor Lock 0/0 - 5 gallon pail	Y

*Y = stock item; A = readily available by order

Utica 315-724-7119

Watertown 315-788-2612

Syracuse 315-671-4400

Concrete Chemicals - Bonding Agents



EUCLID CHEMICAL

Dural Fast Set Epoxy

Rapid Setting, High Strength, Epoxy Adhesive Binder

Two part, 100% solids, moisture insensitive epoxy resin compounds available in a low viscosity (LV) or gel consistency.

- Moisture insensitive
- Can contribute to LEED points
- Uses: fast turn-around epoxy injection, anchor bolt grouting, crack sealing, concrete adhesive/repair, low temperature applications

Item #	Code	Description	Stock*
DURALFASTGEL-100Z	EUC	Gel - 10-oz. single cartridge	Y
DURALFASTGEL-220Z	EUC	Gel - 22-oz. dual-component single cartridge	Y
DURALFASTLV-100Z	EUC	LV - 10-oz. dual-component single cartridge	Y

Duralprep A.C.

Latex Bonding Agent and Anti-Corrosion Coating for Reinforcement

Three component, pre-proportioned, water based, epoxy modified, portland cement bonding agent and anti-corrosion coating.

- Contains a unique migratory corrosion inhibitor
- Provides a long open time
- Does not form a water vapor barrier after cure
- Can contribute to LEED points
- Uses: bonding agent for fresh concrete to existing concrete

Item #	Code	Description	Stock*
DURALPREPAC-1	EUC	3-part - 1 gallon	Y
DURALPREPAC-3.7	EUC	3-part - 3.7 gallon pail	Y

Tammsweld Re-wettable Latex Bonding Agent

Liquid bonding agent and polymer modifier for cement mortars.

- Increases bond strength and improves durability
- Provides long open time
- Uses: concrete, brick, tile, stone, concrete block, plaster, gypsum board, lath, plywood, hardboard, wood interior and exterior surfaces



Item #	Code	Description	Stock*
TAMMSWELD-1	EUC	1 gallon jug	Y
TAMMSWELD-5	EUC	5 gallon pail	Y

Akkro-7T

Latex Bonding Admixture

Milky white, water based, non-redispersable, liquid bonding admixture used to produce polymer modified concrete and mortar.

- Increases flexural and tensile strength
- Improves bond strength and reduces shrinkage
- Nonyellowing
- Uses: cement based coating, toppings, patching mortars, leveling compounds, stucco and terrazzo
- Mixing liquid for Tamoseal and Concrete Finisher

Item #	Code	Description	Stock*
AKKRO7T-1	EUC	1 gallon jug	Y
AKKRO7T-5	EUC	5 gallon pail	Y

Concrete Chemicals - Grout

NS Grout *Nonshrink, Nonstain, Nonmetallic Grout*

Designed for critical use where high strength, nonstaining characteristics and positive expansion are required. It contains only natural aggregate and an expansive cementitious binder. It is extremely flowable and, when cured, appears similar in appearance to concrete.

- Flowable and self-leveling
- Does not contain any added chloride ions
- Can contribute to LEED points
- Uses: pumps, fans, motors, compressors, generators, machine bases of all types, anchor bolts, column base plates

Item #	Code	Description	Stock*
NSGROUT	EUC	50 lb. bag	Y



NC Grout

Noncorrosive, Nonshrink Cementitious Grout

Multiflow-quality grout designed for use at various consistencies, including pumping into inaccessible areas.

- Extended working time for easier placement
- Can be used in wet areas—will not rust
- Can contribute to LEED points
- Uses: machinery base plates, columns, tee joints and anchor bolts, interior/exterior

Item #	Code	Description	Stock*
NCGROUT	EUC	50 lb. bag	Y

Euco Rock *Quick Setting, Flowable Grout*

Pourable, fast setting hydraulic cement designed for anchoring or grouting applications. Euco Rock sets in less than 10 minutes and rapidly achieves load bearing and bond strength properties. It does not contain any metallic aggregate or any chloride ions.

- Fast and controlled set
- Positive expansion
- High early strengths
- Excellent freeze-thaw durability
- Can contribute to LEED points
- Uses: interior/exterior, anchor bolts, hand rails, posts

Item #	Code	Description	Stock*
EUCOROCK-12	EUC	12 lb. bag	Y
EUCOROCK-50PAIL	EUC	50 lb. pail	Y



EUCLID CHEMICAL

Concrete Chemicals - Primers

Primer 733

Quick drying, solvent based primer for priming joints and substrates before application of Sonolastic® NP 1™, TX 1, NP 2™, Ultra, SL 1™, SL 2™, and Sonolastic® 150 series sealants.

- Adhesion promoting
- Light amber
- Uses: interior/exterior, above grade

Item #	Code	Description	Stock*
733	SON	1 pint	Y

Sonneborn



The Chemical Company

McQuade & Bannigan Inc.

Concrete Chemicals - Miscellaneous

Eucobar *Evaporation Retardant*

Water based polymer designed to be used as an evaporation retardant on concrete flatwork of all types.



EUCLID CHEMICAL

- Holds in surface moisture on concrete floors, slabs and pavements
- Easy and economical to use
- Excellent for both interior and exterior flatwork
- Will not affect adhesion of curing compound or other floor treatments
- All concrete flatwork, dry shake floors



Item #	Code	Description	Stock*
EUCOBAR-1	EUC	1 gallon jug	Y
EUCOBAR-5	EUC	5 gallon pail	Y

Euco Solvent

Clean-Up and Floor Stripper Product

High strength solvent for numerous uses from tool clean-up to cure and seal membrane removal.

- Multiple components for maximum effectiveness
- Uses: tools and equipment, removal of resin based curing membranes and sealers from floor surfaces, breakdown of oil, grease and tar build-up, clean-up of epoxy equipment and tools, troweling aid for epoxy mortars

Item #	Code	Description	Stock*
SOLVENT-1	EUC	1 gallon can	Y

Concrete Blaster

High Performance Equipment Cleaner

Concrete Blaster is a unique liquid which has the ability to remove hardened, built-up concrete from tools and equipment. It is designed to eliminate the need for sand blasting, bushhammering and jack-hammering hardened concrete from equipment. Concrete Blaster has the distinct advantages of being biodegradable, nonhazardous and noncorrosive.

Item #	Code	Description	Stock*
—	EUC	Concrete Blaster	A

Asphalt Chemicals - Repair

IMCO
TECHNOLOGIES INC.

Permanent Asphalt Repair (PAR)

Permanently repairs holes in asphalt. PAR can be installed in any weather condition, including wet, freezing and extreme heat.

- Premixed and ready to use
- Supports traffic immediately



Item #	Code	Description	Stock*
EF1800BAG	MGK	50 lb. bag	Y

Concrete Chemicals - Repair

ARDEX K 15®

Portland cement based, self-leveling, high strength, fast setting, nonshrinking underlayment. Mix with water, pour or pump, spread—it's ready!

- Featheredge up to 5"
- Designed for fast leveling of floors
- Use to level and smooth interior concrete, terrazzo, quarry and ceramic tile, cutback adhesive residue, wood and metal
- Walk on floor in 2-3 hours
- Install floor covering after 16 hours
- Requires primer
- 30 sq. ft. @ ¼" per 55 lb. bag

Item #	Code	Description	Stock*
K15	ARD	55 lb. bag	Y



ARDEX GS-4™

A self-leveling underlayment used to smooth and repair an existing gypsum substrate that is unsuitable to receive new finish flooring.

- Blend of high strength gypsum and Portland cements
- Hardens and dries faster than other gypsum products
- Needs no special curing
- Easy to mix and apply
- Install from ¼" up to virtually any thickness
- Install floor covering in 2-3 days
- Use for interior floors only, including hydronic and electric radiant heating systems
- Requires primer
- 22 sq. ft. @ ¼" per 50 lb. bag

Item #	Code	Description	Stock*
GS-4	ARD	50 lb. bag	Y



ARDEX SD-P®

Self-leveling, self-drying, fast setting, trowelable underlayment patch for smoothing and repairing floors. Developed to reduce curing time on pressed-for-time jobs.

- Portland cement based
- Provides a smooth surface prior to floor covering installation
- Mixes with water only
- Easy to mix and apply
- Exceptional bond strength
- Use for interior floors only
- May require primer
- 25 sq. ft. @ ¼" per 40 lb. bag

Item #	Code	Description	Stock*
SD-P	ARD	40 lb. bag	Y



ARDEX P-51™

Concentrated primer for standard absorbent concrete. ARDEX P-51 seals the substrate and improves the bond of ARDEX products.

- 400-600 sq. ft. coverage per gallon
- 3-24 hour drying time
- Nontoxic, nonexplosive, nonflammable

Item #	Code	Description	Stock*
P51	ARD	1 gallon jug	Y



*Y = stock item; A = readily available by order



ARDEX P-82™ Ultra Prime

High strength, solvent free, two part primer for nonporous subfloors, wood and cut-back.

- 200-400 sq. ft. coverage per gallon
- 3-24 hour drying time
- Nontoxic, nonexplosive, nonflammable

Item #	Code	Description	Stock*
P82	ARD	(2) ½ gallon pails	Y



ARDEX Feather Finish™

Self-drying, cement based, gray finishing underlayment for flash-patching, skim coating and filling in ridges, gouges, depressions and seams on virtually any type of subfloor.

- Portland cement-based
- Provides a smooth finish
- Mixes with water only
- Easy to mix and apply
- Exceptional bond strength
- True featheredge allows for greater coverage
- Mold and mildew resistant
- Use for interior floors only
- 100-150 sq. ft. per 10 lb. bag

Item #	Code	Description	Stock*
FEATHER-FINISH	ARD	10 lb. bag	Y



ARDEX CD Fine™ & CD Coarse™

Specially formulated concrete dressing for resurfacing existing concrete surfaces to produce a new wear layer.

- Portland cement based
- Bonds as thin as 1/16"
- Mixes with water only; easy prep and easy to apply
- Walk on in 2 hours, drive on in 6 hours
- Use for interior and exterior floors and walls; CD Coarse can also be used on sidewalks and garages
- No primer required
- CD Coarse: 120 sq. ft. @ ⅙" per 40 lb. bag
- CD Fine: 100 sq. ft. @ ½" per 20 lb. bag

Item #	Code	Description	Stock*
CD-COARSE	ARD	40 lb. bag	Y
CD-FINE	ARD	20 lb. bag	Y



ARDEX P 71™ Primer

Nonfilm-forming exterior primer used to improve the application of most ARDEX Engineered Concrete Repair products that require a saturated-surface-dry (SSD) installation method over absorbent concrete substrates. ARDEX P 71 is also the recommended primer for use with ARDEX K 301™ Exterior Self-Leveling Topping. ARDEX P 71 is ready to use, simply broom or brush onto prepared substrate (SSD) and install over it immediately.

- For standard absorbent concrete substrates
- Minimizes the formation of pinholes

Item #	Code	Description	Stock*
P71	ARD	1 gallon jug	Y

Concrete Chemicals - Repair

ARDEX K 301™

Self-leveling, Portland cement based topping and underlayment for fast-track resurfacing and smoothing for exterior and interior applications over concrete, porous tile and certain nonporous surfaces when properly prepared—on, above or below grade.

- Smooth new or existing concrete, porous tile and certain non-porous surfaces
- Install from ¼" to ¾" neat, and up to 2" with aggregate
- Walk on in 2 to 3 hours
- For commercial, light industrial and residential applications
- Use for exterior and interior applications, freeze-thaw resistant



Item #	Code	Description	Stock*
K301	ARD	50 lb. bag	Y

ARDEX OVP™

Trowelable Portland cement based patching compound used to fill and smooth interior and exterior overhead and vertical concrete surface defects such as spalls, gouges, cracks, dents, chips, bug holes, honeycombs—any type, size or shape of surface defect that needs to be filled and smoothed before coating. For use on pre-cast concrete, poured-in-place concrete panels, tilt-up walls, or any other vertical or overhead concrete or masonry surfaces prior to sealing or painting.

- Use for filling and smoothing interior and exterior overhead and vertical concrete or masonry surfaces prior to sealing or painting
- Deep fill and skimcoat, high yield, easy to mix and apply
- Long pot life for large jobs, nonshrinking, sandable



Item #	Code	Description	Stock*
OVP	ARD	20 lb. bag	Y

ARDEX Tool Kit

ARDEX tools make the mixing and application of ARDEX products accurate and easy.

Kit includes: mixing paddle, ring mixing paddle, spreader, smoother, mixing drum w/lid & six mixing buckets- 4-qt. (GS 4, SD-P); 4.75-qt. (SD-L, SD-T); 5-qt. (V 900, CP, CD); 5.5-qt. (K 500); 6-qt. (V 800); 7-qt. (K 15).

Item #	Code	Description	Stock*
TOOL-KIT	ARD	10-piece tool kit	Y

MG-Krete™ & MG-Krete™ Flex

Easy-to-use, two component, high early strength structural repair material for all types of concrete repairs, including patching surface and deep pours, pouring into forms, filling cracks, or as a fast-set plug.

MG-Krete Flex is reinforced with synthetic fibers for increased flexural and tensile strength in applications where movement and stress are a concern, such as airport runways, bridges, ramps and parking decks.

Advantages:

- Cures rapidly under all weather conditions
- Bonds tenaciously to concrete
- Nonflammable and nontoxic
- Self-priming
- Resistant to oil, gasoline, salt and UV radiation



ARDEX LU 100™

Self-Leveling flooring underlayment is a blend of high strength cements and powdered polymers for repairing existing above-grade floors prior to the installation of new floor coverings.

- Smooth new or existing concrete
- Install to any thickness, can be tapered to meet existing elevations
- Use over concrete, VCT, and existing patching, leveling or fill materials
- Walk on in 3 hours
- Install floor covering in 2-3 days



Item #	Code	Description	Stock*
LU100	ARD	50 lb. bag	Y

ARDEX V 1200™

Self-leveling, no troweling, Portland cement based underlayment with re-dispersible synthetic polymers. Use to level and smooth interior concrete, terrazzo and ceramic tile substrates—on, above, or below grade. Pourable or pumpable when mixed with water. Seeks its own level and produces a smooth, flat, hard surface. Hardens quickly and dries fast with low shrinkage to minimize cracking or spalling.

- Walk on in 3 hours
- Highly resistant to shrinkage cracking
- Install up to 1 1/4", can be tapered to meet existing elevations
- Accepts most floor coverings in 1-3 days



Item #	Code	Description	Stock*
V1200	ARD	50 lb. bag	Y



Item #	Code	Description	Stock*
EFL1260RUN	MGK	MG-Krete 1260 Regular Grade: 50 lb. bag & 1 gallon jug	Y
EFL1260FUN	MGK	MG-Krete 1260 Fine Grade: 45 lb. bag & 1 gallon jug	Y
EFL1260PFX18.9L	MGK	MG-Krete Flex 1260: 5 gallon pail & 1gallon jug	Y
EFL12613.78L	MGK	1261 Low Temp Accelerator - 3.78 liters	Y
EFL1263500ML	MGK	1263 High Temp Retarder - 500 milliliters	Y
EFL12633.78L	MGK	1263 High Temp Retarder - 3.78 liters	Y
EFL126318.9L	MGK	1263 High Temp Retarder - 18.9 liters	Y

Concrete Chemicals – Repair

Euco-Speed *Rapid Setting Patching Mortar*

Rapid setting, rapid hardening cementitious material for patching and repair of concrete surfaces. Requiring only the addition of water, Euco-Speed is easy to use and can be installed with standard tools, equipment and procedures. It bonds tenaciously to properly prepared concrete and provides a durable patch.

- Suitable for both interior and exterior application
- Versatility in thickness from ½" (13 mm) to 8" (203 mm)
- Uses: bridge decks, ramps, parking garages, pavements, floors, walls (formed), marine structures

Item #	Code	Description	Stock*
EUCOSPEED	EUC	50 lb. bag	Y

Euco-Speed MP

Magnesium Phosphate Patching Mortar

Rapid setting, very rapid hardening magnesium phosphate material for patching and repair of concrete and masonry surfaces. Euco-Speed MP requires only the addition of water and can be installed with standard tools, equipment and procedures. It bonds tenaciously to properly prepared concrete and provides a durable patch that is resistant to freeze-thaw cycling and deicing salts.

- Suitable for both interior and exterior applications
- Versatility in thickness from ½" (13 mm) to 8" (203 mm) when extended with aggregate
- Sets quickly on cold concrete
- May be placed and cured at 0°F (-17°C)
- Can contribute to LEED points
- Uses: bridge decks, ramps, parking garages, pavements, floors, walls (formed), marine structures, joint repairs

Item #	Code	Description	Stock*
EUCOSPEEDMP	EUC	50 lb. bag	Y

Thin-Top Supreme

One Part, Modified Deck Resurfacer

Latex and microsilica modified cementitious mortar designed for use as a floor or deck topping at thicknesses of ¼" to ¾" (1.6 mm to 10 mm). This product is a one part formula that incorporates powder latex technology. It provides excellent durability under freeze-thaw cycling as well as protection against ingress by water and deicing salts. Thin-Top Supreme offers normal set times and a midrange slump for easy workability.

- Provides a strong, wear-resistant thin overlay
- Excellent bond to concrete and steel
- Suitable for both interior and exterior use
- Consistent working time in cold & hot weather
- Can contribute to LEED points
- Uses: parking decks, docks, marine structures, curbs and gutters, floors, ramps, joints, pavements



Item #	Code	Description	Stock*
THINTOPSUPREME	EUC	50 lb. bag	Y

Concrete-Top Supreme

One Part, Modified Deck Repair

Latex and microsilica modified cementitious mortar designed for use as a concrete repair mortar at thicknesses of ¾"-2" (10 mm-50 mm). This product is a one part formula that incorporates powder latex technology. It provides excellent durability under freeze-thaw cycling as well as reducing ingress by water and deicing salts. Concrete-Top Supreme offers normal set times and a midrange slump for easy workability.

Item #	Code	Description	Stock*
—	EUC	Concrete-Top Supreme	A



EUCLID CHEMICAL

Tamms

Duraflex Fastpatch

Fast Setting, Low Modulus Epoxy Repair Kit

Three component, 100% solids, low modulus, moisture insensitive, epoxy repair kit designed to provide a high strength, wear resistant surface to worn and damaged high-use floors.

- Premeasured resin, hardener and specially blended "nondusting" aggregate
- Rapid cure, minimizes down times
- Uses: interior and exterior concrete repair

Item #	Code	Description	Stock*
DURAFLEXFP-5	EUC	3 components in a 5 gallon bucket	Y

Tamms Thin Patch

Polymer Modified Patching Mortar

Polymer modified, cement based compound that is formulated for patching and repairing concrete and masonry. Tamms Thin Patch can be featheredged to one inch.

- Outstanding bond strength and high durability
- Uses: horizontal, vertical or overhead repairs, interior/exterior, fill small holes, honeycomb and spalled areas, repoint mortar joints



Item #	Code	Description	Stock*
THINPATCH	EUC	50 lb. bag	Y

Tammspatch II

Two Component Repair Mortar and Underlayment

Two component, polymer reinforced, cementitious mortar and underlayment.

- Featheredge to one inch, 2.5" if extended
- Moist curing generally not required
- Can contribute to LEED points
- Uses: flowable underlayment, horizontal, vertical or overhead repairs, topping product

Item #	Code	Description	Stock*
TAMMSPATCHII	EUC	Part A (powder): 45 lb. bag Part B (liquid): 1 gallon jug	Y

VersaSpeed

Rapid Setting Repair Mortar

VersaSpeed is a versatile, one part, rapid setting patching and repair compound for horizontal, form and pour repair projects. VersaSpeed repairs can be coated with epoxy in four hours in 70°F (21°C) environments.

- Fast set time, quick turnover of projects with high rapid strength
- Low permeability
- Can contribute to LEED points
- Uses: commercial, industrial and institutional floors, loading docks, parking decks and ramps, highways, pavements and roads

Item #	Code	Description	Stock*
VERSASPEED	EUC	50 lb. bag	Y

Concrete Chemicals - Repair



EUCLID CHEMICAL

Tamms

Form And Pour

One Component, Flowable, Shrinkage Compensated Concrete

Flowable, one component, polymer modified, cementitious repair mortar containing silica fume and a migratory corrosion inhibitor.

- Can be extended with pea gravel for deeper repairs
- Pumpable
- Can contribute to LEED points
- Uses: on-grade, above and below grade on concrete, horizontal, formed vertical and overhead surfaces, filler for voids and cavities, compatible with galvanic anodes

Item #	Code	Description	Stock*
FORMANDPOUR	EUC	50 lb. bag	Y

Verticoat Supreme

One Part, Modified Overhead Concrete Repair Mortar

One component, microsilica and latex modified, nonsag repair mortar. This cement based product is designed for trowel applied vertical and overhead repairs requiring high performance.

- Excellent freeze-thaw resistance for difficult climates
- Low permeability helps protect rebar from corrosion
- High bond strength provides excellent adhesion
- Normal setting times increase workability and reduce waste
- Can contribute to LEED points
- Uses: resurfacing damaged or deteriorated concrete, vertical and overhead repairs, parking and bridge structures, parapet walls, marine structures, tunnels and dams, above and below grade applications



Item #	Code	Description	Stock*
VERTICOATSUPREM	EUC	50 lb. bag	Y

Speed Crete PM

One Component, Polymer Modified, Vertical/Overhead Mortar

One component, polymer modified, ready-to-use, cement based concrete and masonry patching compound that requires only potable water for mixing.

- Patch from featheredge to 2¾"
- May be shaved after initial set
- Excellent resistance to freeze-thaw and weathering
- Uses: interior/exterior, above/below grade, vertical/overhead repairs

Item #	Code	Description	Stock*
SPEEDCRETEPM	EUC	50 lb. bag	Y

Speed Crete Red Line

Fast Setting Patching Material

Fast setting, cement based concrete and masonry patching compound that, when combined with the correct amount of water, undergoes a chemical "hyper hydration" and produces a stable, low permeability, cementitious matrix.

- Initial set in 8-10 minutes; final set within 20 minutes
- May be shaved to desired shape
- High durability and strength
- Uses: interior/exterior, horizontal, vertical/overhead repairs
- Used at a "no slump" consistency

Item #	Code	Description	Stock*
SPEEDCRETERL	EUC	50 lb. bag	Y

Speed Plug

Quick Setting Hydraulic Cement

Quick setting hydraulic cement compound used to instantly stop running water or seepage leaks in masonry or concrete.

- Nonshrinking, nonmetallic and noncorrosive
- Initial set in 1 to 3 minutes
- Controlled expansion
- Can be applied under water
- Uses: above/below grade, interior/exterior to stop seepage and flowing water

Item #	Code	Description	Stock*
SPEEDPLUG-10#	EUC	10 lb. bag	Y
SPEEDPLUG-50#	EUC	50 lb. bag	Y

Sonneborn
BASF
The Chemical Company

Gel Patch

A lightweight, one-component, high strength, polymer-modified, silica fume-enhanced repair mortar. Can be placed in lifts up to two inches without forming. Its cementitious formula incorporates microscopic glass bead technology for superior finishing results and excellent workability.

Item #	Code	Description	Stock*
GELPATCH	SON	43 lb. bag	Y

10-60 Rapid Mortar

A one component, shrinkage compensated, very rapid-setting cement based mortar. It is designed for horizontal concrete surfaces where high early strength gain is required.

- Extra low permeability
- Excellent resistance to freeze-thaw cycle
- Non-gypsum based
- Bonds to carbonated and noncarbonated concrete substrates

Item #	Code	Description	Stock*
10-60RAPIDMORTAR	SON	50 lb. bag	Y

*Y = stock item; A = readily available by order

McQuade & Bannigan Inc.

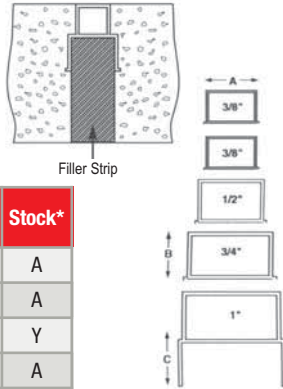
sales@mqb.com

mqb.com

Concrete Joint Accessories

Expansion Cap Strip

Expansion Cap Strips provide clean, sharp lines for sealants. They eliminate the difficulty of removing wooden formers. Each piece is 10' long.



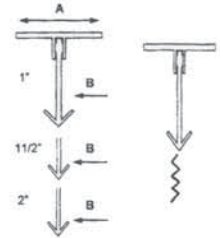
Item #	Code	A	B	C	Std. Box	Stock*
—	EXP	3/8"	3/8"	1/2"	500	A
—	EXP	3/8"	1/2"	1/2"	500	A
CAP.STRIP	EXP	1/2"	1/2"	1/2"	500	Y
—	EXP	3/4"	1/2"	1/2"	500	A



Zip Strip

Zip Strips are easily installed joint formers designed to provide positive control of transverse construction or expansion joints. The two-part assembly is designed to permit removal of the top portion after the concrete has hardened, thereby creating a clean, neatly defined void for application of caulk or sealant when specified. Each Zip Strip is 10' long.

Item #	Code	A	B	Std. Box	Stock*
1010	EXP	1"	1"	500	A
ZIPSTRIP-112	EXP	1"	1 1/2"	500	Y
1012	EXP	1"	2"	500	A



QuicKey™ Metal Keyed Control Joints - Screed Key/Key Way

QuicKey is a stay-in-place metal keyed control joint former for use in concrete flatwork as a control or construction joint. The tongue and groove design provides excellent load transfer characteristics for heavy, wheeled traffic and also prevents uneven settling associated with aggregate interlock. The use of a metal keyed control joint eliminates costly form stripping and saw cutting and slow checker-board placement of concrete.

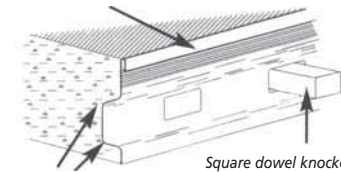
Material

QuicKey is manufactured of 24 gauge, G60 hot dipped mill galvanized steel. It is furnished in 10' lengths for 4", 5", 6", 8" and 10"-12" slabs. Each piece is punched on 6" centers with dowel rod knockouts. QuicKey LOCKING-TAB™ stakes are manufactured from 13 gauge HRPO steel and are available in 12", 15", 18" and 24" lengths. QuicKey is mill galvanized before fabrication and conforms to ASTM A 924, ASTM A 653 CQ or LFQ. The corresponding stakes are manufactured from hot rolled, pickled and oiled steel conforming to ASTM A 569.

Advantages

- QuicKey is the only galvanized joint system that features knockouts for square dowels, which provide better load transfer over round dowels and also reduce edge curl on the slab.
- Knockout sizes meet both ACI and PCA recommendations for the design of tongue and groove key joint
- LOCKING-TAB stakes provide a positive interlock between stake and key joint that eliminates floating or rising from the stake, minimizing high spots. The stake profile features a nontwist design that allows the stake to be driven at a straight angle.
- Saves on installation time—stake quickly interlocks at any point with key joint, reducing time to place stakes precisely
- Stiffening ribs are designed for increased rigidity while installing

Stake quickly interlocks at any point with key joint, reducing time to place stakes precisely.



A 1:4 slope makes QuicKey the only metal key joint that meets ACI and PCA recommendations.

Square dowel knockouts can be used for square or round dowel bars. Dowel knockouts are on 6" centers. Knockout sizes meet ACI and PCA recommendations.

QuicKey removable cap yields straight void ready for sealing.



Nonremovable cap seals the joint because it stays in place.



Control Joints

Item #	Code	Slab Thickness	A	B	C	Knockout Size (in.)	Stock*
QK35	EXP	4"	3 1/8"	2"	3/4"	7/8 x 1 3/8"	Y
QK45	EXP	5"	4 1/8"	2 1/2"	3/4"	7/8 x 1 3/8"	Y
QK55	EXP	6"	5 1/8"	3"	3/4"	1 1/4 x 1 1/2"	Y
QK75	EXP	8"	7 1/8"	4"	1"	1 1/4 x 1 1/2"	A
QK95	EXP	10"-12"	9 1/8"	5"	1"	1 1/4 x 1 1/2"	A

Screed Key Stakes

Item #	Code	A	Stock*
QK15	EXP	15"	Y
QK18	EXP	18"	Y
QK24	EXP	24"	A

*Y = stock item; A = readily available by order

Concrete Joint Accessories

Vinylex Waterstop

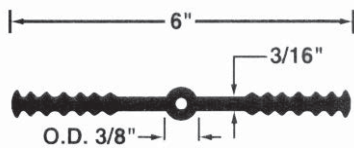
Recommendation Guide for Working Joints

In expansion joints where movement is expected, we recommend Ribbed with Center Bulb or Dumbbell with Center Bulb.

Technical Properties

Property	Test Method	Typical Results
Tensile Strength		
Finished Waterstop (Avg.)	ASTM D 638	2100
Ultimate Elongation		
Finished Waterstop	ASTM D 412	350%
Hardness-Shore A/10	ASTM D 2240	82 ± 3
Stiffness in Flexure	ASTM D 747	1200 psi
Tear Resistance	ASTM D 624	314 lb./in.
Modulus of Elasticity	ASTM D 638	900 psi
Low Temperature Brittleness @ -35°F	ASTM D 746	Passed
Cold Bend, 1/4" Mandrel @ -30°F	TVA PF1026	Passed
Low Temperature Flexibility @ -30°F	TVA PF1026	Passed
Low Temperature Impact @ -30°F	TVA PF1026	Passed
Water Absorption		
24 Hours	ASTM 570	0.051%
48 Hours	ASTM 570	0.077%
Accelerated Extraction	CRD C-572	Passed
Effect of Alkali	CRD C-572	Passed

Vinylex can furnish factory-made splices to your job site. This eliminates all field splices except the butt welding of straight lengths. For pricing or information, contact McQuade & Bannigan.

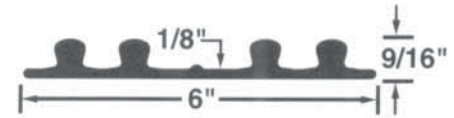


Ribbed with Center Bulb Waterstop

Vinylex ribbed center waterstops are employed in expansion joints where movement between members is anticipated. They are generally used above grade but, in fact, are a universal design and can be used in any type of joint above or below grade.

- Application: construction joints with higher heads of water than 4" water stops

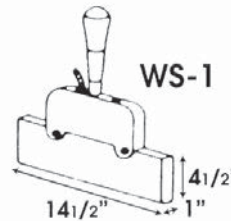
Item #	Code	Size	Head of Water (Ft)	Wt. lb./100 Lin. ft.	Stock*
RB6316-50	VIN	6" x 50'	100	73	Y



Base Seal Waterstop

Vinylex base seals are economical and efficient water seals for special applications. They are quickly and easily installed, with no special forms required. Base seals are laid in position on subgrade and centered on joint.

Item #	Code	N.Y. Type D Applications	Size	Wt. lb./100 Lin. ft.	Stock*
BS618-100	VIN	Garden apartments and light construction. May also be installed on vertical joints below grade when hydro static head is less than 15 head ft. or loss of water is encountered.	6" x 100'	87	Y



Splicing Iron

The WS-1 splicing iron is recommended for splicing large center bulb waterstops. WS-2 is suitable for other splices. Other sizes and options are available.

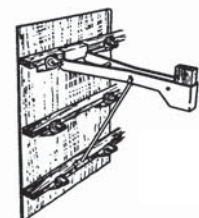
Item #	Code	Description	Stock*
WS1	VIN	WS-1 Splicing Iron	A
WS2	VIN	WS-2 Splicing Iron	Y
WS2-COVER	VIN	Cover for WS-2 Splicing Iron	Y

Additional waterstop product sizes available. Please call for information.

We Rent Jahn Concrete Forming Systems



- Jahn "A" Brackets
- Jahn "C" Bracket
- Jahn Tie Extenders
- Jahn Scaffold Brackets
- Jahn Corner Brackets
- Hair Pin Wedges
- Turnbuckle Form Aligners



*Y = stock item; A = readily available by order

Concrete Joint Accessories

MiraSTOP-RT Betonite Waterstop

MiraSTOP-RT is a self-adhering, flexible, coiled strip of butyl rubber and expandable bentonite clay waterproofing compound. MiraSTOP-RT is designed for use in nonmoving joints to create watertight concrete joints. It is ideal for many types of cast-in-place and precast below-grade concrete applications, such as construction joints in foundation slabs and below-grade walls; precast concrete wall panel systems; septic tanks; sanitary and storm sewer manholes; utility and burial vaults; pipes, wet walls, box culverts and portable water tanks.

MiraSTOP-RT prevents infiltration of below-grade moisture in nonmoving joints. When water comes in contact with MiraSTOP-RT it swells to form a strong compression seal.

Advantages

- Easy to install
- Applies in all dry weather conditions—flexible enough for virtually all season applications
- Nontoxic—needs no special handling
- Self-adhering



Item #	Code	Description	Stock*
MIRASTOP-RT	CCW	1" x 3/4" x 100' roll	Y



Closed-Cell Backer Rod

Joint Filler and Backing Material for Elastomeric Sealants

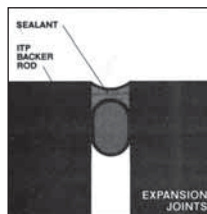
Resilient polyethylene foam used to provide the proper shape and depth for cold-applied joint sealants. Backer rods also prevent three-sided bonding of sealants to ensure their proper functioning.

- Resilient—accepts joint movement
- Closed-cell structure—low moisture absorption
- Nonimpregnated, nonstaining and nonbleeding
- Inert and compatible with cold-applied sealants
- Round—gives the proper joint sealant configuration
- Sealants do not adhere—no bond breaker required
- Uses: metal panels, precast panels, expansion joints, window and door frame perimeters, coping joints, glazing joints, floor and deck joints

Packaging

Common sizes of Closed-Cell Backer Rod are wound on reels and packaged in cartons. Larger sizes come in 6 ft. (2.13 m) lengths packaged in cartons.

Do not install Closed-Cell Backer Rod without referring to Technical Data Guide Form No. SJ-403.



Item #	Code	Joint Width (in)	Rod Dia. (in)	Coverage Linear ft. per Ctn.	Stock*
BRCC14	BR	3/16 or less	1/4	6,400 ¹	Y
BRCC38	BR	1/4	3/8	3,600 ²	Y
BRCC12	BR	3/8	1/2	2,500	Y
BRCC58	BR	1/2	5/8	1,550	Y
BRCC34	BR	5/8	3/4	1,100	Y
BRCC1	BR	3/4	1	550	Y
BRCC114	BR	1	1 1/4	400	Y
BRCC112	BR	1 1/8	1 1/2	552 ³	Y
BRCC2	BR	1 5/8	2	360 ³	Y
BRCC212	BR	2	2 1/2	240 ³	Y
BRCC3	BR	2 1/2	3	144 ³	Y
BRCC4	BR	3 1/2	4	90 ³	A

¹Twin packs 3,200 ft. per reel ²Twin packs 1,800 ft. per reel ³Supplied in 6 ft. lengths

Soft Backer Rod

Joint Filler and Backing for Sealants

- Nongassing when punctured—eliminates bubbling of sealant
- Reticulated closed-cell polyethylene foam—low moisture absorption
- Inert and compatible with cold-applied sealants
- Conforms to irregular joints—installs easily and quickly
- Nonimpregnated, nonstaining and nonbleeding—will not discolor sealant or substrates
- Uses: metal panels, precast panels, window and door frame perimeters, isolation and expansion joints, control, coping and glazing joints

Item #	Code	Joint Width (in)	Rod Dia. (in)	Coverage Linear ft. per Ctn.	Stock*
BRSOFT38	BR	25% smaller than the size of backer rod	3/8	3,600	Y
BRSOFT58	BR		5/8	1,550	Y
BRSOFT78	BR		7/8	850	Y
BRSOFT118	BR		1 1/8	500	Y
BRSOFT112	BR		1 1/2	552	Y
BRSOFT2	BR		2	360	Y

*Y = stock item; A = readily available by order

Concrete Joint Accessories

Fibre Expansion Joint Filler

Fibre Expansion Joint Filler is a versatile, resilient, flexible and nonextruding joint composed of cellular fibers securely bonded together and uniformly saturated with asphalt by a special patented process. It is ideal for use on highways, streets, airport runways, sidewalks, driveways, flatwork, and scores of commercial and industrial applications.



Specifications

- ASTM D 1751
- AASHTO M 213
- Corps of Engineers Specifications CRD-C 508
- FAA P610-2.7

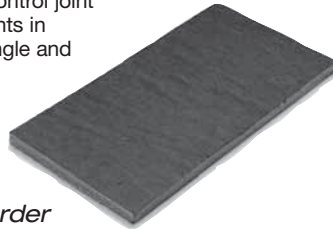
Sizes Available for Special Order

Thickness: 1/4", 3/8", 1/2", 3/4", 1"
Width: 2" to 48" in 1/2" increments
Length: 5', 6', 10', 12'

Item #	Code	Size	Stock*
FIBER12X4-5	EXP	1/2" x 4" x 5'	Y
FIBER12X5-5	EXP	1/2" x 5" x 5'	Y
FIBER12X6-5	EXP	1/2" x 6" x 5'	Y
FIBER12X8-5	EXP	1/2" x 8" x 5'	Y
FIBER12X4-10	EXP	1/2" x 4" x 10'	Y
FIBER12X5-10	EXP	1/2" x 5" x 10'	Y
FIBER12X6-10	EXP	1/2" x 6" x 10'	Y

Asphalt Expansion Joint Filler

Asphalt Expansion Joint Filler is a waterproof, permanent, flexible and self-sealing joint used in 80% of all control joint applications. It is ideally suited for joints in sidewalks, driveways, streets, and single and multilevel floor slabs.



Specifications

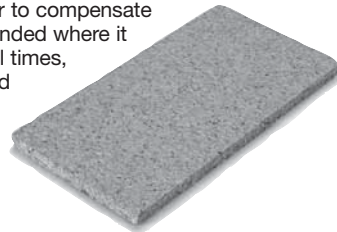
- ASTM D 994
- AASHTO M 33
- FAA P610-2.7

Sizes Available for Special Order

Thickness: 1/4", 3/8", 1/2", 3/4", 1"
Width: 2" to 36" in 1/2" increments
Length: 5', 6', 10'

Self-Expanding Cork Expansion Joint Filler

Self-Expanding Cork Expansion Joint Filler is formed and compressed under heat and pressure to permit expansion up to 140% of original thickness, allowing the filler to compensate for concrete shrinkage. It is recommended where it is essential joints be kept sealed at all times, such as in sewage plants, dams, flood walls, spillways, filtration plants, and numerous commercial and industrial applications.



Specifications

- ASTM D 1752, Type 3
- AASHTO M 153, Type 3
- Corps of Engineers Specification CRD-C 509, Type 3
- FAA P610-2.7

Sizes Available for Special Order

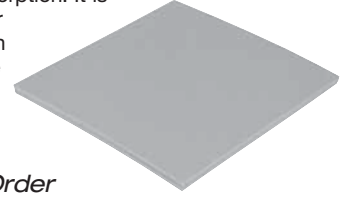
Thickness: 1/2", 5/8", 3/4", 1" (thicker sizes laminated)
Width: 3" to 36" in 1/2" increments
Length: 5'

*Y = stock item; A = readily available by order



Ceramar® Flexible Foam Expansion Joint

Sealtight Ceramar Flexible Foam Expansion Joint is a lightweight, flexible, highly resilient, unique synthetic foam offering recovery capabilities of over 99% with virtually no water absorption. It is recommended for either horizontal or vertical applications where expansion and contraction movements must be accommodated.



Specifications

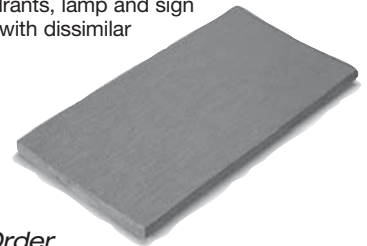
- ASTM D 5249, Type 2

Sizes Available for Special Order

Thickness: 1/4", 3/8", 1/2", 3/4", 1", 2" (thicker sizes laminated)
Width: 2" to 48" in 1/2" increments
Length: 10', 12'

Sponge Rubber Expansion Joint Filler

Sponge Rubber Expansion Joint Filler is produced to a uniform thickness and density that is easily compressed and has a recovery of 95% or more of the original thickness. Because of its excellent recovery, it is frequently used on bridge structures and sewage treatment plants that undergo rapid temperature variations. Sponge Rubber is also used around supporting pillars, drains, hydrants, lamp and sign posts, as well as to isolate materials with dissimilar expansion coefficients.



Specifications

- ASTM D 1752, Type 1
- AASHTO M 153, Type 1
- Corps of Engineers Specification CRD-C 509, Type 1
- FAA P610-2.7

Sizes Available for Special Order

Thickness: 1/4", 3/8", 1/2", 3/4", 1"
Width: Available in sheets 36" in width. Can be cut to any intermediate width.
Length: 10'



Polyethylene Foam Expansion Joint Filler

Noncross-linked polyethylene foam with peel-off strip top can be used for both vertical and horizontal joint applications. It is closed-cell, virtually nonabsorbent and is compatible with cold sealants, such as butyl-polyurethane and polysulfide.

Advantages of Polyethylene Foam

- Lightweight, economical and recyclable
- Resilient—accepts movement
- Finished joints need no trimming
- Easy to cut and to install
- No bond breaker required—sealants do not adhere

Specifications:

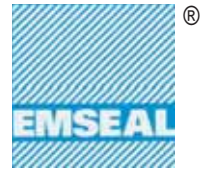
- ASTM D 4819 Type II / NY DOT 705-08 Type II

Item #	Code	Size	Stock*
TEAR12X4-50	EXP	1/2" x 4" x 50'	Y
TEAR12X5-50	EXP	1/2" x 5" x 50'	Y
TEAR12X6-50	EXP	1/2" x 6" x 50'	Y
TEAR12X8-50	EXP	1/2" x 8" x 50'	Y

Concrete Joint Accessories

PRE-FORMED SEALANTS AND EXPANSION JOINTS

for Façade and Abutment Joints /
Parking, Plaza, Stadium and Roadway Joints /
Tunnel and Foundation Joints / Interior Floor Joints



COLORSEAL™ & SEISMIC COLORSEAL™

USES: Curtainwall, New-to-Existing, Skywalks, Seismic, Masonry, Metal Panels, etc.

A binary (integrated primary plus secondary) seal. Supplied pre-compressed to smaller than joint size with self-adhesive on one face. Material is inserted into joint and adhered to one side. It then expands to seal the joint. Addition in the field of a silicone corner bead ensures sealing between the silicone facing and substrate.

- Ideally suited to EIFS, curtainwall and metal cladding systems, as well as concrete, brick, stone, etc.
- Combines factory-applied and cured silicone facing with permanently elastic acrylic-impregnated open-cell foam sealant backing
- Minor puncturing of silicone facing does not affect sealant system performance
- Back pressure maintains seal and ensures that silicone is virtually never under tension
- Standard sizes from 3/8" (8 mm) to 10" (250 mm)
- Sizes up to 3/4" (20 mm) have single convex facing
- Sizes from 1" (25 mm) and bigger have multiple bellows facing
- COLORSEAL movement capability is +25%, -25% (50% total)
- SEISMIC COLORSEAL movement capability is +50%, -50% (100% total)



25V™

USES: Masonry Walls, New-to-Existing, Shadow Lines

Long term, high performance seal for above-grade wall joints in concrete, brick, stone, etc. where black reveal or shadow-line effect is desired. Supplied pre-compressed to smaller than joint size with additional self-adhesive on one face to aid installation. Material is inserted into the joint and adhered to one side. It then expands to seal the joint. Sealing between the foam and substrate is achieved through a combination of the pressure-sensitive adhesive impregnation and the back pressure of the expanding foam.

- Permanently elastic, high-density, open-cell polyurethane foam impregnated with water-based, polymer-modified asphalt and compressed to approximately 25% of its uncompressed dimension
- Material is installed flush or near to the surface as a primary seal
- Standard sizes from 1/8" (3 mm) to 6" (150 mm)
- Movement capability is +25%, -25% (50% total) of nominal material size
- Joints in below-grade foundation walls utilize the higher-density 20H SYSTEM

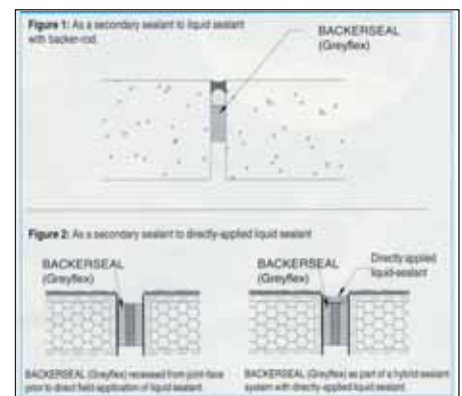


BACKERSEAL™ (GREYFLEX™)

USES: Wall, Doors, Windows, Panels, Control Joints, etc.

An economical, high-performance expanding foam secondary sealant to field-applied liquid sealant. Supplied pre-compressed to smaller than joint size with self-adhesive on one face. Material is inserted into joint and adhered to one side. It then expands to seal the joint. Sealing between the foam and substrate is achieved through a combination of the pressure-sensitive adhesive impregnation and the back pressure of the expanding foam.

- Ideally suited to EIFS, as well as concrete, brick, stone, etc.
- Consists of acrylic-impregnated, open-cell foam material combined with laminations of closed-cell EVA foam in sizes over 3/8" (10 mm)
- Nonstaining and compatible with a wide range of caulking materials
- Minor puncturing of caulked facing does not affect sealant system performance
- Standard sizes from 1/8" (3 mm) to 6" (150 mm)
- Movement capability is +25%, -25% (50% total)—permanently elastic



**READILY AVAILABLE BY SPECIAL ORDER —
call for more information or quote**

Concrete Tubes & Bases



NewForm® Concrete Forming Tubes

Each quality built NewForm Concrete Forming Tube has a coating on the exposed surfaces for protection against moisture and adverse weather conditions. A special coating on the inside ensures easy stripping every time, without the need for form release agents. A nonstrip form for in-ground work is also available, when the NewForm Concrete Forming Tube does not have to be removed.

NewForm Concrete Forming Tubes are ruggedly constructed. They're designed to hold the full hydrostatic pressure of concrete in a single pour. Standard Wall Tubes are recommended for pours up to 12 feet in height, and Heavy Wall Tubes are designed for pours up to 45 feet.

Item #	Code	Diameter (in)	Standard Wall		Heavy Wall (NONSTOCK)		Cu Yd/ Ft of Height	Stock*
			Wall	Lb/Ft	Wall	Lb/Ft		
TUBE6	TUB	6	.080	.70	.175	0.92	.0073	Y
TUBE8	TUB	8	.080	1.00	.200	1.60	.0129	Y
TUBE10	TUB	10	.100	1.50	.225	2.20	.0202	Y
TUBE12	TUB	12	.100	1.80	.225	2.70	.0291	Y
TUBE14	TUB	14	.175	2.40	.250	3.50	.0396	Y
TUBE16	TUB	16	.175	2.80	.250	4.00	.0517	Y
TUBE18	TUB	18	.200	3.60	.275	4.90	.0654	Y
TUBE20	TUB	20	.200	4.00	.275	5.50	.0808	Y
TUBE22	TUB	22	.225	4.90	.300	6.60	.0978	A
TUBE24	TUB	24	.225	5.40	.325	7.80	.1164	Y
TUBE26	TUB	26	.250	6.40	.350	9.10	.1366	A
TUBE28	TUB	28	.275	7.50	.375	10.50	.1584	A
TUBE30	TUB	30	.300	8.50	.400	12.00	.1818	Y
TUBE32	TUB	32	.300	9.00	.400	12.60	.2069	A
TUBE36	TUB	36	.300	10.30	.400	14.40	.2618	Y
TUBE40	TUB	40	.325	12.00	.450	17.70	.3232	A
TUBE42	TUB	42	.325	12.50	.450	18.90	.3563	A
TUBE45	TUB	45	.325	13.50	.450	19.50	.3911	A
TUBE48	TUB	48	.350	15.00	.450	21.60	.4654	Y
TUBE60	TUB	60	N/A	N/A	.500	27.60	.6981	A

NewForm Concrete Forming Tubes combine strength, value and ease of handling, making them the ideal forming method for concrete columns, footings and piers.

*Y = stock item; A = readily available by order



SQUARE FOOT™ Concrete Footing Forms

Square Foot is the only square, plastic, concrete footing form in North America that meets or exceeds all North American Building Code Requirements.

- More resistant to frost and uplift from high velocity winds
- Greater bearing capacity
- Four structural points of contact with the ground make leveling easier
- Facilitates standard rebar

Item #	Code	Dimensions (in)	Use w/Tube Size (in)	Concrete Volume (ft³)	Stock*
SF22	TUB	22 x 16.6	8 / 10	2.0 ^o	Y
SF28	TUB	28 x 20	8 / 10 / 12	4.5	Y
SF32	TUB	32 x 16.6	12 / 14 / 16 / 18	7.0	Y

We Rent Concrete Equipment

Rent by the day, week or month

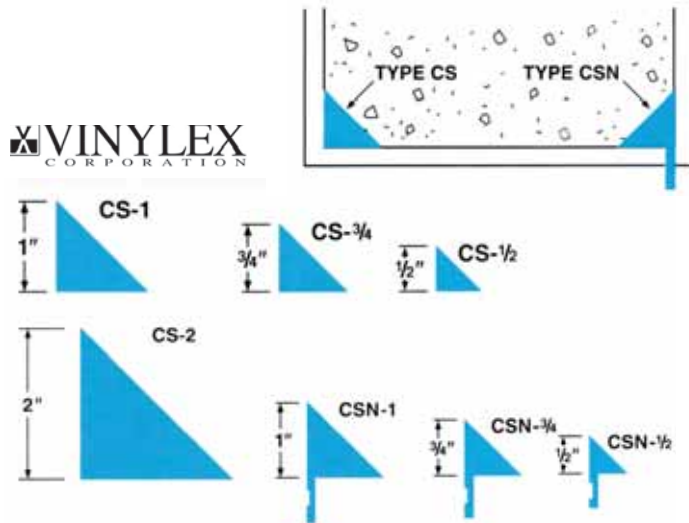
Visit our Rental Department or website for more information



Concrete Forming Accessories

Chamfer Strip - PVC

Vinylex Chamfer Strips provide a smooth, uninterrupted beveled edge to piers, beams and all outside corners of poured concrete. They are easily applied, equipped with or without nailing flange to facilitate installation, and reusable for maximum economy.



Item #	Code	Description	Stock*
101CS-10	VIN	1" x 10' Type CS-1 Chamfer Strip	Y
—	VIN	Type CS-2 Chamfer Strip	A
—	VIN	Type CSN Chamfer Strip	A

Chamfer Strip - Wood

Item #	Code	Description	Stock*
WOODCHAMFER-1	MQB	1" x 8' Wood Chamfer Strip	Y

ProPour Series Windows

Pour-in-place vinyl slider windows

- Fusion welded outer frame to increase structural integrity and prevent leaks
- Innovative frame design provides over a 20% larger viewing area over leading competitor
- 3/4" insulated glass for energy efficiency
- All vinyl construction resists heat and cold transfer
- Outer frame design allows concrete to permanently secure unit within concrete
- Removable sash, fully weather-stripped, easy to clean
- Replaceable sill track
- Metal cam-type mounted locking system
- Poly wrapped to keep clean during installation
- Shipped with removable wood bracing inside frame for installation



Item #	Code	Description	Stock*
WINDOW8-16	EMI	30" x 16" x 8" Basement Window	Y
WINDOW8-20	EMI	30" x 20" x 8" Basement Window	Y
WINDOW10-16	EMI	30" x 16" x 10" Basement Window	Y
WINDOW10-20	EMI	30" x 20" x 10" Basement Window	Y

Form Stake - Steel

3/4" Diameter Round Stake with Nail Holes

Item #	Code	Std. Length*	Weight (lb)	Std. Ctn.	Stock*
12R	DEE	12"	150.2	20	A
18R	DEE	18"	225.3	20	Y
24R	DEE	24"	300.4	10	Y
30R	DEE	30"	375.5	10	Y
36R	DEE	36"	450.6	10	Y
42R	DEE	42"	525.7	10	A
48R	DEE	48"	600.8	10	A

7/8" Diameter Round Stake without Nail Holes

Item #	Code	Std. Length*	Weight (lb)	Std. Ctn.	Stock*
78X12R	DEE	12"	200.0	10	Y
78X18R	DEE	18"	306.6	10	Y
78X24R	DEE	24"	408.8	10	Y
78X30R	DEE	30"	511.1	10	A
78X36R	DEE	36"	613.3	10	Y
78X42R	DEE	42"	715.5	10	A
78X48R	DEE	48"	817.7	10	A

Flat Stake with Nail Holes Only

Item #	Code	Std. Length*	Weight (lb)	Std. Ctn.	Stock*
12F	DEE	12"	80.0	10	A
18F	DEE	18"	140.0	10	Y
24F	DEE	24"	280.0	10	Y
30F	DEE	30"	360.0	10	Y
36F	DEE	36"	430.0	10	A
42F	DEE	42"	510.0	10	A
48F	DEE	48"	590.0	10	A

Form Stake - Wood

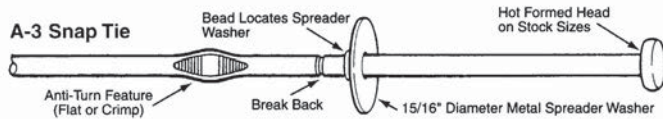
Item #	Code	Description	Stock*
STAKE-1X1	MQB	1" x 1" x 48" Grade Stake	Y

*Y = stock item; A = readily available by order

Concrete Forming Accessories

A-3 Standard Snap Tie

A-3 Standard Snap Ties have hot forged integral heads and a nominal 1" breakback. A-3 Standard Snap Ties with cold forged integral heads and ¼" or ½" breakbacks are available by special order. Breakbacks over 1" can be provided on special order, but due to the increased concrete bond Dayton Richmond cannot guarantee that the ties will consistently provide proper breakback. Coating the tie ends with wax will aid in breakback operation.



Item #	Code	Size	Stock*
6434CONE	DAY	6" x 4¾" with Cone	Y
6434WASHER	DAY	6" x 4¾" with Washer	Y
6814WASHER	DAY	6" x 8¼" with Washer	Y
8434CONE	DAY	8" x 4¾" with Cone	Y
8434WASHER	DAY	8" x 4¾" with Washer	Y
8814CONE	DAY	8" x 8¼" with Cone	Y
8814WASHER	DAY	8" x 8¼" with Washer	Y
10434CONE	DAY	10" x 4¾" with Cone	Y
10434WASHER	DAY	10" x 4¾" with Washer	Y
10814CONE	DAY	10" x 8¼" with Cone	Y
10814WASHER	DAY	10" x 8¼" with Washer	Y
12434CONE	DAY	12" x 4¾" with Cone	Y
12434WASHER	DAY	12" x 4¾" with Washer	Y
12814CONE	DAY	12" x 8¼" with Cone	Y
12814WASHER	DAY	12" x 8¼" with Washer	Y
14434CONE	DAY	14" x 4¾" with Cone	Y
14434WASHER	DAY	14" x 4¾" with Washer	Y
14814CONE	DAY	14" x 8¼" with Cone	Y
14814WASHER	DAY	14" x 8¼" with Washer	Y
16434CONE	DAY	16" x 4¾" with Cone	Y
16434WASHER	DAY	16" x 4¾" with Washer	Y
16814CONE	DAY	16" x 8¼" with Cone	Y
18434CONE	DAY	18" x 4¾" with Cone	Y
18434WASHER	DAY	18" x 4¾" with Washer	Y
18814CONE	DAY	18" x 8¼" with Cone	Y
18814WASHER	DAY	18" x 8¼" with Washer	Y
20434CONE	DAY	20" x 4¾" with Cone	Y
20434WASHER	DAY	20" x 4¾" with Washer	Y
22434WASHER	DAY	22" x 4¾" with Washer	Y
24434CONE	DAY	24" x 4¾" with Cone	Y
24434WASHER	DAY	24" x 4¾" with Washer	Y
24814CONE	DAY	24" x 8¼" with Cone	Y
24814WASHER	DAY	24" x 8¼" with Washer	Y
28434CONE	DAY	28" x 4¾" with Cone	Y
30434WASHER	DAY	30" x 4¾" with Washer	Y
32434CONE	DAY	32" x 4¾" with Cone	Y
36434WASHER	DAY	36" x 4¾" with Washer	Y
FULL8	DAY	8" Full Tie - Alum. Form	Y
FULL12	DAY	12" Full Tie - Alum. Form	Y



A-16 Omni Wedge

Hair Pin Steel Wedge

Dayton Richmond A-16 Omni Wedge is a high strength snap tie wedge designed to slip over the head of standard or heavy-duty snap ties to provide ample bearing area for proper load distribution into the wales.



Item #	Code	Description	Stock*
A16	DAY	Hair Pin Steel Wedge	Y

A-81 Jahn "A" Bracket

Jahn "A" Bracket is fabricated from high strength steel with a cad-plated eccentric and painted body. The 5/8" take-up of the eccentric compensates for minor lumber variations in thickness. The A-81 bracket can be utilized to hold a single horizontal wale or a single vertical stud with any type of wall form—round, curved, battered, beam and/or columns.

The A-81 bracket uses 4¾" L&W snap ties and can be installed before or after the wales have been positioned. The slots in the bracket allow it to slip over the snap tie end without laborious threading through holes. When properly installed, the A-81 bracket will not loosen from internal vibration of the concrete. Pressure from the bracket is against the 2 x 4 instead of the plywood.



Item #	Code	Description	Stock*
A81-DAY	DAY	Jahn A Bracket	Y

A-82 Jahn "C" Bracket

A-82 Jahn "C" Bracket is designed for use with single 2 x 4 studs, double 2 x 4 wales and 8¼" L&W snap ties to attach vertical strongbacks to the form. The bracket eccentric compensates for lumber size imperfections. The A-82 bracket can also be used with double wales to support a horizontal plywood joint.

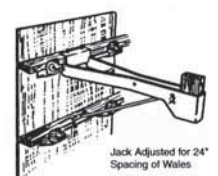


Item #	Code	Description	Stock*
A82	DAY	Jahn C Bracket	Y

A-89 Jahn Scaffold Jack

A-89 Jahn Scaffold Jack is an all-steel unit designed to fit 24" x 24" and 16" x 24" tie and wale spacings. This jack is equipped with a built-in guard rail receptacle and is designed to hold two 2 x 10 planks for a comfortable work platform.

Warning: The A-89 Jahn Scaffold Jack is designed to support walkway only. Heavy loads placed on a scaffold jack may cause metal snap tie washers to bend or plastic snap tie cones to crush resulting in incorrect wall thickness.



Item #	Code	Description	Stock*
A89	DAY	A89 Jahn Scaffold Jack	A

*Y = stock item; A = readily available by order

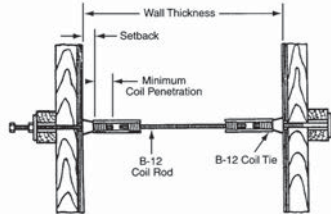
Concrete Forming Accessories



B-12 Coil Rod

Dayton Richmond B-12 Coil Rod is available in 1/2" to 1 1/2" diameters in 12' lengths. Field cutting can be accomplished with bolt cutters or carborundum blades.

B-12 threaded rod can be used with Coil Ties in many forming combinations to tie form work, for adjustable ties, for concrete embedments and/or emergency ties.



B-12 Coil Rod Specifications

Coil Rod Dia.	Safe Working Loads**		Min. Root Area (sq in)	Tensile Stress (psi)	Yield Stress (psi)	Min. Coil Penetration
	Tension (lb)	Shear (lb)				
1/2"	9,000	6,000	.1385	130,000	110,000	2"
5/8"	12,000	8,000	.2124	113,000	96,000	2 1/4"
3/4"	18,000	12,000	.3079	117,000	100,000	2 1/4"
7/8"	31,000	20,600	.4477	117,000	100,000	2 1/2"
1"	38,000	25,300	.5410	140,000	120,000	2 1/2"
1 1/8"	45,000	30,000	.7163	126,600	105,000	2 1/2"
1 1/4"	56,000	37,500	.9161	123,000	105,000	2 1/2"
1 1/2"	68,000	45,300	1.3892	98,000	85,000	3"

**Safe working load provides a factor of safety of approximately 2-to-1.

Stock B-12 Coil Rod

Item #	Code	Size	Stock*
B12-12X12	DAY	1/2" x 12'	Y
B12-34X12	DAY	3/4" x 12'	Y
B12-1X12	DAY	1" x 12'	Y

B-11 Flat Washer

B-11 Flat Washers are made from flat steel plate. For best results, the space spanned by the washer should not exceed the bolt diameter plus 1/4".



Item #	Code	Type	Bolt Dia.	Size	Safe Working Loads (lb)**	Stock*
B11-123X4	DAY	Standard	1/2"	3" x 4" x 1/4"	4,500	Y
—	DAY	Heavy	1/2"	4" x 5" x 1/4"	6,750	A
—	DAY	Standard	3/4"	4" x 5" x 1/4"	6,750	A
—	DAY	Heavy	3/4"	5" x 5" x 7/16"	9,000	A
B11-15X5	DAY	Standard	1"	5" x 5" x 7/16"	18,000	A
—	DAY	Heavy	1"	7" x 7" x 3/4"	37,500	A
—	DAY	Standard	1 1/4"	5" x 5" x 7/16"	27,000	A
—	DAY	Heavy	1 1/4"	7" x 7" x 3/4"	37,500	A
—	DAY	Standard	1 1/2"	5" x 5" x 3/4"	37,500	A
—	DAY	Heavy	1 1/2"	7" x 7" x 3/4"	37,500	A

**Safe working load provides a factor of safety of approximately 2-to-1.

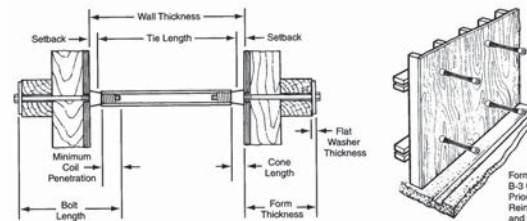
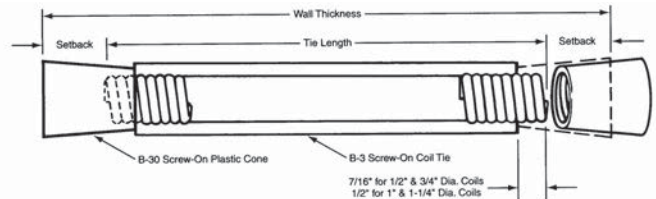
*Y = stock item; A = readily available by order



B-3 Screw-On Coil Tie

Screw-On Coil Tie is designed with longer coils that extend beyond the end of the struts. Plastic cones screw onto the projections to provide a positive setback and act as a fixed internal form spreader.

To determine proper screw-on coil tie length, subtract the required total setback (both sides) from the wall thickness.



Item #	Code	Size	Stock*
B3-12X4	DAY	1/2" x 4"	Y
B3-12X6	DAY	1/2" x 6"	Y
B3-12X8	DAY	1/2" x 8"	Y
B3-12X10	DAY	1/2" x 10"	Y
B3-12X12	DAY	1/2" x 12"	Y
B3-1X8	DAY	1" x 8" - 4-Strut	Y
B3-1X12	DAY	1" x 12" - 4-Strut	Y



B-13 Coil Nut and B-25 Heavy Coil Nut

B-13 Coil Nuts are available with coil threads in 1/2", 3/4", 1", 1 1/4" and 1 1/2" diameters. B-25 Heavy Coil Nuts are available with coil threads in 1/2", 3/4", 1" and 1 1/4" diameters.



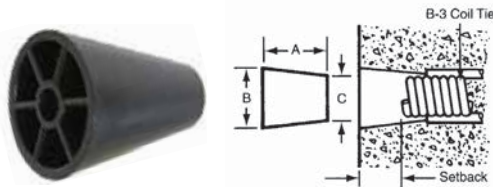
Item #	Code	Coil Nut Type	Dia.	Approx. Height	Width Across Flats A	Safe Working Load Tension (lb)		Stock*
						Using One B-13 Nut	Using Two B-13 Nuts or One B-25 Nut	
B13-12	DAY	B-13	1/2"	7/16"	7/8"	6,000	9,000	Y
B-25	DAY	B-25	1/2"	1 3/16"	1 1/8"	—	9,000	A
B13-34	DAY	B-13	3/4"	5/8"	1 1/8"	9,000	18,000	Y
B-25	DAY	B-25	3/4"	1 3/16"	1 1/8"	—	18,000	A
B13-1	DAY	B-13	1"	1"	1 5/8"	18,000	37,500	Y
B-25	DAY	B-25	2"	2"	1 3/8"	—	37,500	A
B-13	DAY	B-13	1 1/4"	1 1/4"	2"	27,000	56,250	A
B-25	DAY	B-25	1 1/2"	1 1/2"	2 3/8"	40,500	67,500	A

**Safe working load provides a factor of safety of approximately 2-to-1.

Concrete Forming Accessories

B-30 Screw-On Plastic Cone

Screw-On Plastic Cone is designed to thread onto the protruding coil of a B-3 Screw-On Coil Tie. Use a B-15 Cone Removal Wrench to back the cone off the tie and out of the concrete. B-30 plastic cones are normally reusable.

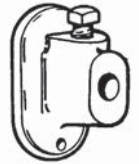


Item #	Code	Bolt Dia.	Setback	A	B	C	Stock*
B30-12X1	DAY	1/2"	1"	1 3/8"	1 1/4"	1"	Y
B30-12X112	DAY	1/2"	1 1/2"	1 1/2"	1 1/4"	1"	A
B30-12X2	DAY	1/2"	2"	2 3/8"	1 1/4"	1"	A
B30-34X1	DAY	3/4"	1"	1 1/2"	1 5/8"	1 7/16"	A
B30-34X2	DAY	3/4"	2"	2 1/2"	1 3/4"	1 7/16"	A
B30-1X2	DAY	1"	2"	2 1/2"	2 1/8"	1 13/16"	A
B30-114X2	DAY	1 1/4"	2"	2 1/2"	2 1/8"	2 1/8"	A

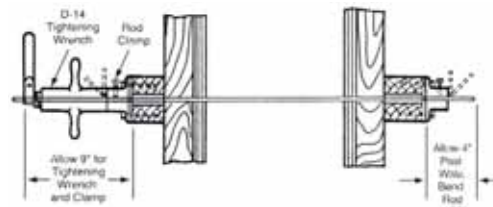
Warning: Cones are to be used for spreader action only and are not designed for scaffold bracket or other accessory loads.

D-12 and D-12-S Rod Clamp

Dayton Richmond D-12 Rod Clamps are cast malleable iron clamps used with smooth or deformed 1/4", 3/8" and 1/2" rod to tie forms. The rod is clamped securely by a bolt or nut-bolt combination. Nail holes are provided to affix the clamp to the wales. For an additional safety measure, Dayton Richmond recommends bending the rod approximately 90° behind the clamp (See application sketch).

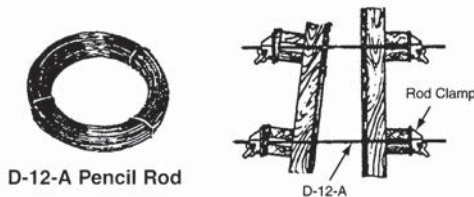


D-12 Rod Clamp



D-12-S Rod Clamp

Item #	Code	Type	Rod Diameter	Safe Working Load Tension (lb)	Stock*
D12-14	DAY	D-12	1/4"	1,125	Y
—	DAY	D-12-S	1/4"	1,125	A
—	DAY	D-12	3/8"	2,250	A
—	DAY	D-12-S	3/8"	2,250	A
—	DAY	D-12	1/2"	3,750	A



D-12-A Pencil Rod

D-12-A Pencil Rod

Dayton Richmond D-12-A Pencil Rod is available in .225" and .375" mild steel smooth rod for use with rod clamps shown. Pencil rod is available in 600' coils or straightened and cut to length.

Item #	Code	Size	Stock*
D12A-12	DAY	1/4" x 12'	Y

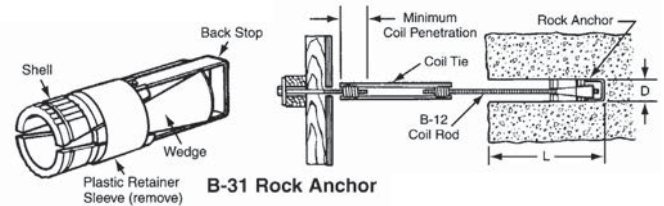
D-14 Tightening Wrench

Tightening Wrench is placed over a smooth or deformed rod behind a rod clamp and is used to draw the assembly tight allowing the clamp to be properly tightened. The D14 wrench is available in 1/4", 3/8" and 1/2" sizes.

Caution: Do not use the D14 Tightening Wrench for straightening forms or for pulling smooth rod from set concrete.



Item #	Code	Size	Stock*
D14-14	DAY	1/4"	Y



B-31 Rock Anchor

Dayton Richmond B-31 Rock Anchor is a preassembled unit tapped with 1/2", 3/4" or 1" diameter coil thread. NC thread is available on special order. Rock anchors used in sound rock or concrete allows one-sided forming of walls or similar applications to be completed quickly and economically.

The rock anchor is threaded onto the coil rod until the rod hits the backstop of the anchor. The plastic retaining sleeve is removed and the rock anchor/coil rod assembly is placed into the bore hole. The assembly is installed so that the anchor backstop "bottoms" in the bore hole. Tightening the coil rod will draw the anchor wedges forward to expand the anchor's shell. Care should be taken to not over tighten the anchor.

Item #	Code	Coil Rod Dia.	Min. Hole Depth "L"	Required Hole Dia. "D"	Safe Working Load Tension (lb)	Stock*
—	DAY	1/2"	6"	1 3/8"	4,500	A
—	DAY	3/4"	8"	1 5/8"	9,000	A
—	DAY	1"	10"	1 3/4"	18,000	A



*Y = stock item; A = readily available by order

Concrete Forming Accessories



A-55 Sure-Lock Tie, A-56 Sure-Lock Bracket, & A-57 Sure-Lock Strongback Bracket

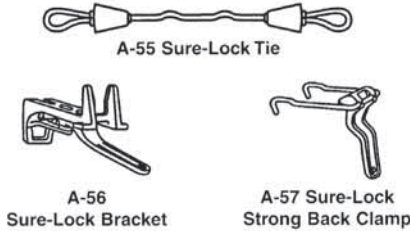
Dayton Richmond Sure-Lock Forming System is an economical single, water-forming method based on 2 x 4 lumber and 3/4" plywood.

The A-55 Sure-Lock Tie is manufactured with self-centering 1" x 1" plastic cones that provide a nominal 1" breakback.

Other breakbacks and waterseal washers for the A-55 tie are available.

The A-56 Sure-Lock Bracket is a sturdy bracket designed with a rotating arm that captures the loop of the A-55 tie and firmly secures the tie and wale to the form.

The A-57 Sure-Lock Strongback Bracket attaches to the back of the A-56 bracket and holds a 2 x 4 strongback firmly to the form.



Item #	Code	Description	Stock*
—	DAY	A-55 Sure-Lock Tie	A
—	DAY	A-56 Sure-Lock Bracket	A
—	DAY	A-57 Sure-Lock Strongback Bracket	A

A-51 Wedge Bolt

A-51 Wedge Bolt is used to attach A-46 Loop Panel Ties, A-48 Gang Loop Ties, B-21 Plylags, etc. to modular type forms.

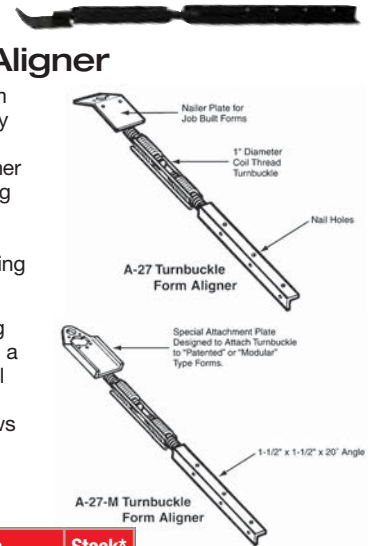


Item #	Code	Safe Working Loads (lb)	Stock*
A51-DAY	DAY	3,750 Heavy Ties	Y

A-27 & A-27-M Turnbuckle Form Aligner

A-27 and A-27-M Turnbuckle Form Aligners are designed to accurately position and plumb vertical forms. The turnbuckle section of the aligner features a 1" diameter self-cleaning coil thread for fast adjustments. Overall length of the aligner is 37" minimum and 40" maximum, offering 3" of effective adjustment.

The A-27 aligner has a bent nailing plate equipped with nail holes and a 15/16" hole to accept 3/4" or 7/8" steel stakes. The A-27-M aligner has a special attachment plate that allows direct attachment to modular type forms.

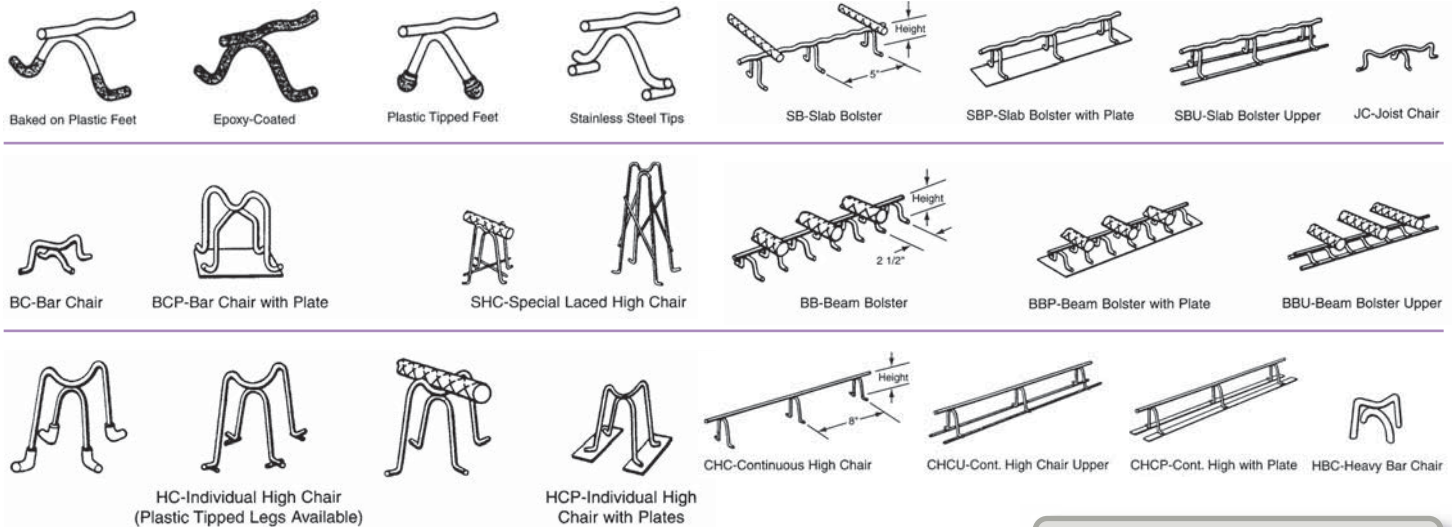


Item #	Code	Description	Stock*
A27-DAY	DAY	A-27 Turnbuckle	Y
—	DAY	A-27-M Turnbuckle	A

Rebar Support

Dayton Richmond manufactures a complete line of rebar and mesh supports. All Dayton Richmond rebar supports are manufactured to the recommendations or specifications of the Concrete Reinforcing Steel Institute (CRSI). Supports are available bright basic, plastic protected, epoxy coated and stainless steel for various corrosion resistance protection. Rebar supports are shipped in cartons, bundles or on skids.

Rebar Supports are Readily Available by Special Order



Upper Slab Bolster

Item #	Code	Size	Stock*
SBU-2	DAY	5' x 2"	Y
SBU-3	DAY	5' x 3"	Y
SBU-4	DAY	5' x 4"	Y

*Y = stock item; A = readily available by order

Concrete Forming Accessories



X-Flat Standard Tie

1/4" Break Back-Rolled Edges

- Ultimate load - 6,000 lb.
- Sizes over 24" up to 48" are available by special order

Item #	Code	Size	Std. Box	Stock*
XFLAT4	EMI	4"	100	A
XFLAT6	EMI	6"	100	Y
XFLAT8	EMI	8"	100	Y
XFLAT10	EMI	10"	100	Y
XFLAT12	EMI	12"	100	Y
XFLAT14	EMI	14"	100	A
XFLAT16	EMI	16"	100	A
XFLAT18	EMI	18"	100	A
XFLAT20	EMI	20"	100	A



Standard Loop Tie

- Ultimate load - 4,500 lb.

Item #	Code	Size	Std. Box	Stock*
LOOP6	EMI	6"	100	A
LOOP8	EMI	8"	100	Y
LOOP10	EMI	10"	100	Y
LOOP12	EMI	12"	100	Y
LOOP14	EMI	14"	100	A
LOOP16	EMI	16"	100	Y
LOOP18	EMI	18"	100	Y
LOOP20	EMI	20"	100	A
LOOP22	EMI	22"	100	A
LOOP24	EMI	24"	100	Y



Residential Wall Tie

All ties are compatible with 1-1/8" form systems. Ties are plated with zinc dichromate to resist rust and decrease clean up time.

Item #	Code	Size	Std. Box	Std. Qty.	Stock*
SIM6	SIM	6"	250	1	A
SIM8	SIM	8"	250	1	Y
SIM10	SIM	10"	250	1	Y
SIM12	SIM	12"	250	1	A
SIM14	SIM	14"	100	1	A
SIM16	SIM	16"	100	1	A
SIM18	SIM	18"	100	1	A
SIM20	SIM	20"	100	1	A
SIM22	SIM	22"	100	1	A
SIM24	SIM	24"	100	1	A
SIM38	SIM	38"	100	1	A



X-Flat Heavy-Duty Tie

1/4" Break Back-Rolled Edges

- Ultimate load - 7,000 lb.
- Available by special order in sizes 4"-48"



Heavy-Duty Loop Tie

- Ultimate load - 6,000 lb.
- Available by special order in sizes 6"-24"

Item #	Code	Description	Stock*
—	EMI	Heavy-duty Loop Tie	A



Combination Tie

- Sizes: 6"-8", 8"-10" or 10"-12"
- Specify nominal or full base
- Larger sizes on request



Full Tie

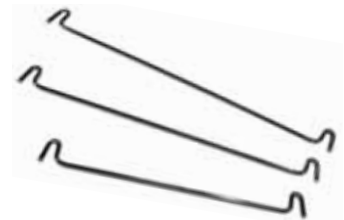
Full ties are available by special order in various standard lengths and custom sizes.



Z Tie

Specifically designed for wall offsets. Z ties are built to your specifications.

Item #	Code	Description	Stock*
—	EMI	X-Flat Heavy-duty Tie	A
—	EMI	Combination Tie	A
—	EMI	Full Tie	A
—	EMI	Z Tie	A



Base Tie

- Ultimate load - 3,000 lb.
- Sizes over 18" up to 24" are available by special order

Item #	Code	Size	Std. Box	Stock*
SBASE6	EMI	6"	100	Y
SBASE8	EMI	8"	100	Y
SBASE10	EMI	10"	100	Y
SBASE12	EMI	12"	100	Y
SBASE14	EMI	14"	100	A
SBASE18	EMI	18"	100	A



Wire Mesh

- 6" x 6" squares; 5' x 10' sheet
- 10 gauge

Item #	Code	Description	Stock*
R661010510	WIR	Wire Mesh	Y

*Y = stock item; A = readily available by order

Concrete Forming Accessories

Form Systems are Readily Available by Special Order



EMI "Elite" Series Steel/Plywood Form System

• Panels and accessories are available by special order in 4', 5', 6' and 8' heights and 1" to 24" widths



Steel/Plywood Forming System Accessories

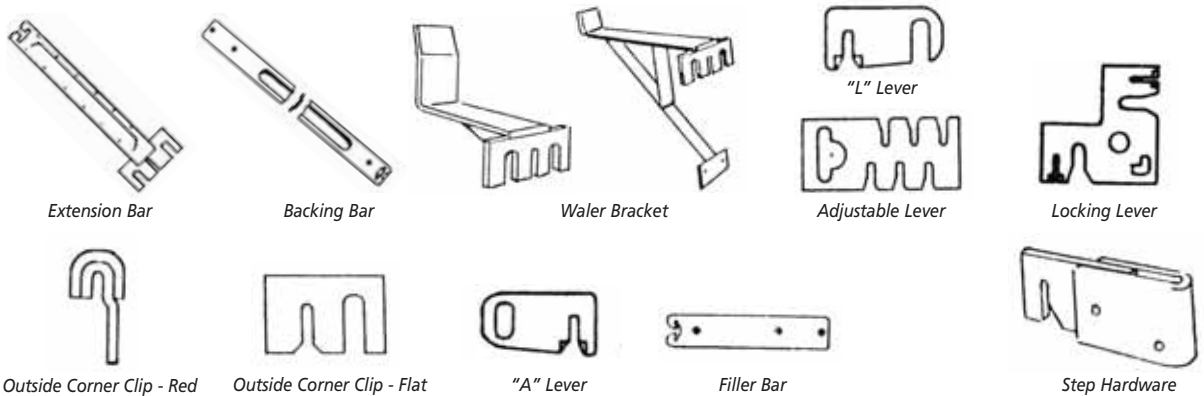


Simplex Reversible Form System

Simplex's reversible form systems, which can be used to form both residential and light commercial structures, deliver faster set-ups, quicker stripping, longer life. Forms are constructed of rugged 11-ply plastic-coated plywood that can be used right-side up on one side and upside down on the other side to maximize their use and longevity.



Reversible System Accessories



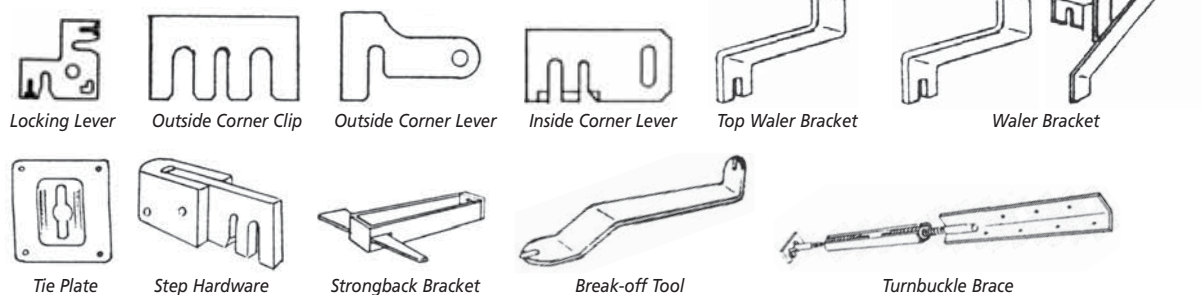
Simplex EZ LOK Form System

EZ LOK forming systems provide total compatibility with other systems. EZ LOK backing bars, locking levers and hardware are easily interchanged with other hardware brands.

EZ LOK locking levers rotate a full 360 degrees for simpler, faster tie-up. Work crews can start in any or all corners, setting both inner and outer walls at the same time. Work proceeds with perfect alignment as each 11-ply, plastic coated plywood form is slipped into place, and ties and locking levers are firmly secured.



Reversible System Accessories



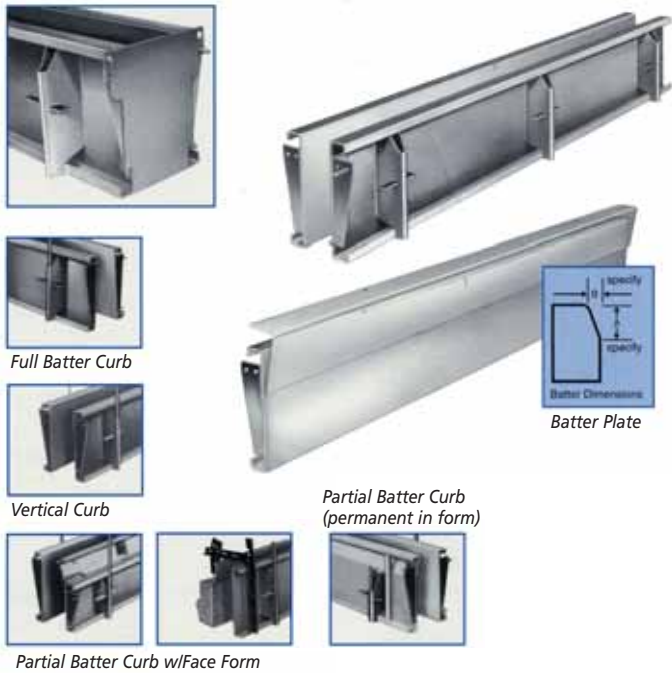
Concrete Forming Accessories



Super Curb Metal Form

BMF features a new add-on Batter Plate designed especially for use with Super Curb Forms. Specified batter is formed to 10' lengths (or shorter if required) and holes are punched to align with those in top rail of form. Slotted bolts and taper keys lock the plate to rail. When ordering, specify A & B dimensions for required length and batter.

No matter what your curb requirements may be—vertical, full battered, partially battered, with division plates, without division plates, side braced or top spaced or both—BMF engineers a Super Curb Form and the necessary accessories to do the job. Some, but not all types and possible combinations, are illustrated here.



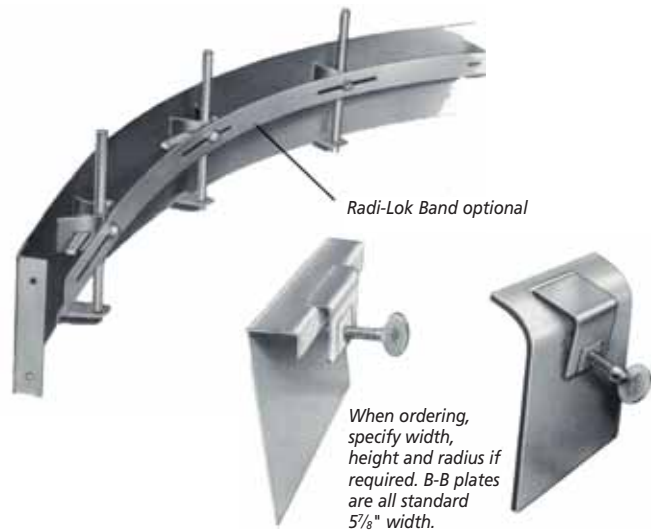
Curb Form Specifications

Super Vertical Curb Form	
Height	12-24 inches
End Connection	Two dowels (electro-welded)
Length	10 feet
Division Plate Slots	One; 5 feet from end, for use w/O-K type skeleton division plate
Permanent Partial Batter Curb Form	
Height	12-24 inches
End Connection	Two dowels (electro-welded)
Length	10 feet
Batter	Specify A & B batter dimensions
Batter Plate	
Height	6-9 inches
Form Connection	Two #19 slotted bolts with taper keys
Length	10 feet
Batter	Specify A & B batter dimensions
Super Curb Form Division Plates	
Width	5-9 inches
Height	12-24 inches

BMF supplies division plates to customer specifications for any type of curb (vertical, partial batter, full batter). A minimum of one full depth plate and one Hi-Top spacer is recommended per ten feet.

Flexible Curb & Gutter Metal Forms

BMF B-B (Batter) Plates are an exclusive solution to the problem of adding batter to curved curb faces. With B-B Plates this tricky operation can be performed quickly and easily, on any no-radius curb face, single radius curb face, or double radius curb face. After the curb face form is set, simply set the B-B Plates on the upper edge of the curb face form and tighten the thumb screws on the B-B Plates.!



Specifications:

Optional Radi-Lok Flexible Forms and Division Plates

Type of Form	Length (feet)	Height (inches)	End Connection	Stake Pockets	Division Plates
Sidewalks	10	4-6	Two slotted bolts with taper keys	Six per form	See the specifications for Flexible Form Division Plates
Gutters	10	6-10			
Curbs	10	12-24			

BMF Forms & Accessories are Readily Available by Special Order—

Call a McQuade & Bannigan Sales Rep for a full-line catalog or details

Concrete Forming Accessories



O-K Straight Sidewalk Form

Specifications

O-K Straight Forms	
Height (in)	4, 5, 6*
End Connection	Slide cam lock - 3/16" thick
Length (ft)	10 (three stake pockets)
Division Plate Slots	Ten per form (12" spacing)
*Same as O-K 6" Gutter Form	
Note: For stacking options, please call McQuade & Bannigan for technical data.	
Division Plates	
Width (in)	18, 24 30, 36, 36, 48, 60, 72, 96, 108, 120
Height (in)	4, 5, 6
One division plate required per each joint. Please specify height and width when ordering.	

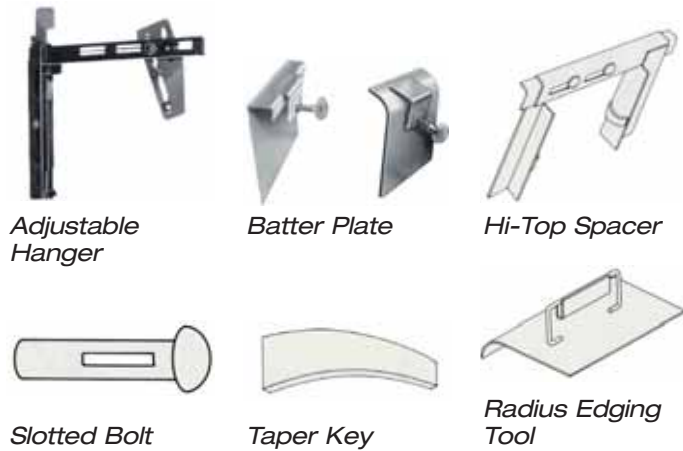
O-K Flexible Sidewalk Form

Specifications

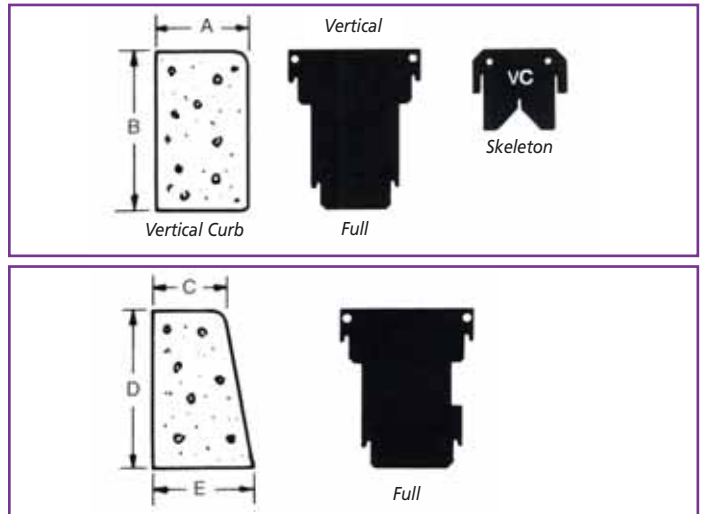
O-K Flexible Forms	
Height (in)	4, 5, 6
End Connection	Two #19 slotted bolts with taper keys
Length (ft)	10 (six stake pockets)
Division Plates	
Width (in)	18, 24 30, 36, 36, 48, 60, 72, 96, 108, 120
Height (in)	4, 5, 6
One division plate required per each joint. Please specify height and width when ordering.	

Accessories

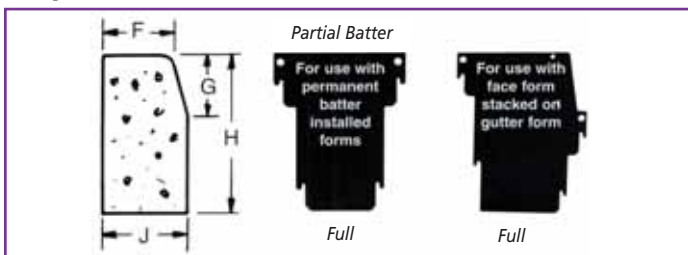
BMF accessories are designed to save the contractor time and money in faster settings. Call McQuade & Bannigan to help you select the forms best suited for your needs and for a full-line catalog.



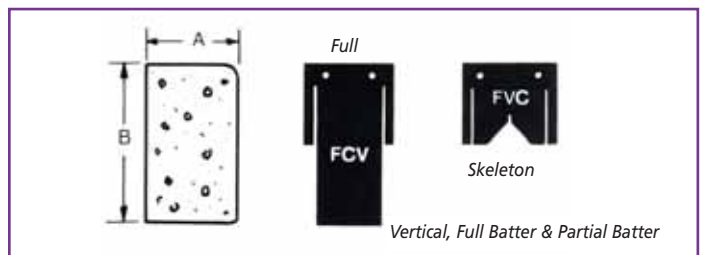
Super Curb Form Division Plate



Super Curb Form Division Plate



Flexible Curb Form Division Plate



Wire and Accessories

Double Loop Wire Tie

American Wire Tie double loop wire ties are made of soft annealed wire, making them easy to twist and hard to break.

- Available in lengths from 3" to 36"
- Available in gauges from 19 to 12
- Loop sizes vary from 1/8" to 1/2" inside diameter depending on gauge selection
- Available finishes include black annealed, stainless steel, aluminum and PVC-coated
- Ties are shipped one size to a roll, with the amount varying according to wire length and gauge



16 Gauge Double Loop Wire Tie

Item #	Code	Length	Finish	Qty/Roll	Stock*
BAGTIES-6	WIR	6"	Black Annealed	5M	Y
BAGTIES-8	WIR	8"	Black Annealed	5M	Y
BAGTIES-10	WIR	10"	Black Annealed	5M	Y
PVC.BAGTIES-6	WIR	6"	PVC-coated	5M	A
PVC.BAGTIES-8	WIR	8"	PVC-coated	5M	A

#9 Wire Coil

Item #	Code	Description	Stock*
9.WIRE	WIR	50 lb. Black Annealed Wire	Y



Tie Wire Tying Tool

Hand Tying Tool

Manual tying tool with wood handle. Economical and easy to use.



Knurled Automatic Tool

Automatic, spring-return tying tool with knurled handle.



Wood Automatic Tool

Automatic, spring-return tying tool with wood handle.



Item #	Code	Description	Stock*
AUTO.STEEL.TOOL	WIR	Knurled Automatic Tool	Y
AUTO.WOOD.TOOL	WIR	Wood Automatic Tool	A
WOOD.TOOL	WIR	Hand Tying Tool	Y

*Y = stock item; A = readily available by order



Tie Wire Reeler

Lightweight reelers made of durable Lexan plastic or magnesium alloy for long life and fast, easy dispensing of tie wire from the worker's utility belt.



Item #	Code	Description	Stock*
EZM	WIR	Metal Wire Reel	Y

Tie Wire for Rebar

- Made from soft annealed wire
- 3 1/2 lb. coils
- Available in 18, 17, 16, 15 and 14 gauge
- Available in black annealed, galvanized annealed, PVC-coated and nylon finishes



16 Gauge Rebar Tie Wire

Item #	Code	Finish	Qty./Ctn.	Stock*
TIE.WIRE	WIR	Black Annealed	20	Y
PVC.TIE.WIRE	WIR	PVC-coated	20	Y



Power Rebar Tie Wire Tying Tools

RB397 & RB655 Rebar Tiers

- Stronger and faster tying than a manual tool—5 times faster
- Simple operation
- Lightweight and compact body
- Standard equipment includes two batteries, battery charger, case and holster, instructional DVD



Item #	RB655-MX	RB397
Code	MAX	MAX
Weight	7.2 lbs.	5.2 lbs.
Dimensions	13 3/8" x 4" x 13 3/8"	12" x 4 1/8" x 11 3/8"
Tying Speed	0.8-1.1 second/tie	Less than 1 second/tie
Ties/Coil	120-230	Approx. 120
Ties/Charge	2-4 coils	Approx. 3 coils
Max. Rebar Size	#9 x #8	#3 x #3 to #5 x #6
Battery	9.6V 3.3Ah Ni-Mh	14.4V 3.0Ah Li-ion
Tie Wire (item # in bold is stocked)	16 ga. 50 Coils/Box: TW1525 Reg. Steel TW1525-EG Electro Galv. TW1525-PC Poly Coated	21 ga. 50 Coils/Box: TW897A Reg. Steel TW897A-EG Electro Galv. TW897A-PC Poly Coated
Stock*	Y	A

Concrete Stamping

Increte Stamped Concrete System

INCRETE is an extremely durable and beautiful surfacing system designed to duplicate the natural look of slate, stone and granite with incredible realism in the proven medium of concrete.

INCRETE is available in a wide array of patterns and a myriad of standard colors that challenge the eye to tell the difference between an INCRETE slate, granite, or stone application and the real thing. What's more, INCRETE can be installed at a fraction of the cost of conventional materials, all the while offering superior durability and requiring less maintenance.



Applications:
Patis, Foundations, Entryways, Roadways, Driveways, Walkways, Pool Decks

Color-Crete Integral Color

Color-Crete integral powder is an admixture of synthetic iron-oxide pigments specially formulated to color and beautify concrete. Color-Crete may be used with all cementitious materials and is designed for use with cast-in-place, slab on grade, precast, tilt-up, pavers and roof tiles.

Item #	Code	Color	Size	Stock*
50100-INC	INC	Yellow	6 lb. tub	Y
50200-INC	INC	Natural Brown	6 lb. tub	Y
50300-INC	INC	Vermillion	6 lb. tub	Y
50400-INC	INC	Red	6 lb. tub	Y
50500-INC	INC	Cayenne	6 lb. tub	Y
50600-INC	INC	Black Oxide	6 lb. tub	Y
50700-INC	INC	Chrome Green	6 lb. tub	Y

Additional Increte Stamped Concrete System components are available—call for more information or quote

Color Release Agent

Color Release is formulated to provide a barrier between stamping tools and wet concrete to prevent suction and facilitate the release of flexible stamping tools. Color Release contains integrated iron-oxide pigments to add color and depth to a stamped surface.

Item #	Code	Color	Size	Stock*
02918-INC	INC	Charcoal	20 lb. box	Y
02950-INC	INC	Dark Brown	20 lb. box	Y
02970-INC	INC	Light Gray	20 lb. box	Y
02991-INC	INC	Dark Gray	20 lb. box	Y

Crystal Clear VOC Sealer

Crystal Clear is a low viscosity, solvent based, "wet look" finish sealer that complies with all OTC VOC requirements. Crystal clear, fast drying and deep penetrating, Crystal Clear can be used to seal and protect any Increte Systems surface, as well as all other masonry surfaces.

Item #	Code	Color	Size	Stock*
02630-INC	INC	Clear	5 gal. pail	Y

Color Hardener

Color Hardener is a ready-to-use, dry shake powder used to color and harden freshly placed concrete for stamping and other decorative surfaces. Color hardener provides a more uniform and intensely colored surface, an easy-to-clean surface, and a greater resistance to weathering, freezing, thawing and scaling.

Item #	Code	Color	Size	Stock*
02310-INC	INC	Gray	60 lb. pail	Y
02340-INC	INC	Pewter	60 lb. pail	Y
02390-INC	INC	Sand Buff	60 lb. pail	Y
CCHAP060010	INC	Adobe Buff	60 lb. pail	Y
CCHAP060560	INC	Pewter Buff	60 lb. pail	A---

Shur-Grip

Shur-Grip is a finely graded additive for sealers and coatings where increased slip resistance is desired.

Item #	Code	Color	Size	Stock*
CSHGP001000	INC	Clear	1 lb. pail	Y

Detectable Warning Tiles

Armor-Tile Tactile Systems Cast-In-Place Tile

Highly durable, cost effective solution for setting detectable warning tiles directly in newly poured concrete. Manufactured of diamond-hard vitrified polymer, the truncated dome tiles are in full compliance with the Americans with Disabilities Act and are the industry standard for durability, weather resistance and wear resistance.

Features:

- Certified to meet ADA and state requirements
- Integral embedment flanges are the complete anchoring system
- Sustains dynamic vehicle loading—AASHTO HS20-44 wheel load test
- Easily cut to conform to angled and radius ramps
- Sizes available: 12" x 12", 24" x 24", 24" x 36", 24" x 48", 24" x 60", 36" x 48", 36" x 60"
- Nine standard colors available with Federal Color identification

Item #	Code	Color	Size	Stock*
ADA-C-2436-RD	ADA	Red	24" x 36"	Y
ADA-C-2460-RD	ADA	Red	24" x 60"	Y



Armor-Tile™ Tactile Systems



Armor-Tile offers a complete range of products designed for the safety and convenience of the visually impaired, in full compliance with the Americans with Disabilities Act.

Ask a McQuade & Bannigan sales representative for information and pricing.

Concrete Vapor Barriers

Pre-moulded Membrane® Vapor Seal with Plasmatic® Core

Membrane Vapor Seal with Plasmatic Core (PMPC) is a seven-ply, weather coated, permanently bonded, semi-flexible bituminous core board. It is composed of a homogeneous, high melt point bituminous material, in combination with an exclusive plasmatic core, suspended midpoint in the bituminous core. This core is sealed under heat and pressure between liners of asphalt-impregnated felt and a glass mat liner. An asphalt weather coat is applied to the glass-mat liner and covered with a polyethylene anti-stick sheet.



PMPC provides a positive, easy-to-install, economical, true vaporproofing and waterproofing system for horizontal applications. Properly applied, it stops moisture migration in footings, concrete floors and structural slabs. It offers a perm rating of less than 0.002 perms, the lowest in the industry. Among its unique features is the built-in protection course, which resists job-site puncturing and the abrasive action of concrete placement. The exclusive Plasmatic Core adds flexibility, greater tensile strength, puncture resistance and excellent handling characteristics. PMPC helps meet and maintain the maximum slab moisture transfer rate of 3 lb./1000 sq. ft./24 hours allowed by the flooring industry specifications.

Uses

PMPC, when properly applied, is designed to stop moisture migration (liquid or vapor) in footings, concrete floor slabs and structural slabs, which greatly reduces fungus, mildew and mold. It is especially useful under slabs overlaid with wood, tile, epoxy and urethane coatings, carpeting and resilient or seamless flooring systems since it helps prevent the warping and buckling caused by moisture migration. PMPC also greatly reduces radon gas from entering the structure.

Specifications: ASTM E 1993-98

Packaging: 48" x 8' sheet; 60 lb.



Pre-moulded Membrane® Vapor Seal

Membrane Vapor Seal is a permanently bonded, multi-ply core board of pure-blown, mineral fortified, high-melt asphalt between layers of saturated felt and glass mat. It offers a perm rating of less than 0.002 perms, the lowest in the industry.



Uses

Pre-moulded Membrane Vapor Seal stops moisture migration through foundation walls, footings, concrete floor slabs and structural slabs for kitchen, shower room, garage area or equipment room.

Specifications: ASTM E 1993-98

Packaging: 48" x 8' sheet; 60 lb.

Item #	Code	Description	Stock*
—	WRM	Membrane Vapor Seal	A
—	WRM	Membrane Vapor Seal with Plasmatic Core	A

*Y = stock item; A = readily available by order

Concrete Vapor Barriers



Vapor Block™ 6, 10 & 15

Product Description

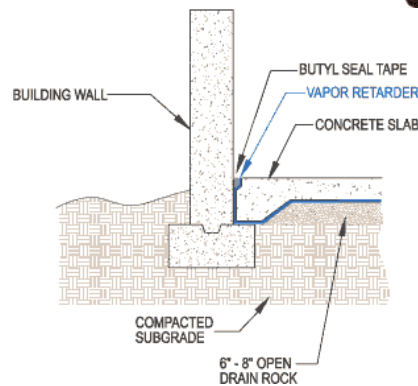
Vapor Block is a high performance underslab vapor retarder designed to retard moisture migration through concrete slabs-on-grade. This product is made from state-of-the-art polyethylene resins that provide superior physical and performance properties that far exceed ASTM E-1745 (Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs) Class A, B, and C requirements.

High tensile strength, unequalled puncture resistance, low moisture vapor permeability, as well as resistance to decay, make Vapor Block one of the most effective underslab vapor retarders on the market today. Available in 6, 10, and 15 mil thicknesses to best meet required performance specifications.

Product Use

Vapor Block impedes the transmission of water vapor from traveling upward through a concrete slab-on-grade or through a concrete wall when properly installed. It is extremely important to avoid puncturing a vapor retarder during installation to assure proper performance. Vapor Block's puncture strength is second to none, withstanding even the most demanding installation conditions.

Vapor Block vapor retarders protect your flooring and other moisture sensitive furnishings in your building's interior from moisture migration. Vapor Block vapor retarders can also greatly reduce condensation, mold and degradation by controlling water vapor migration.



Item #	Code	Description	Stock*
VAPORBLOCK10	VAP	15' x 200'	Y
VAPORBLOCK15	VAP	12' x 200'	Y
VAPORBONDTAPE	VAP	4" x 210'	Y

Properties	Test Method	Vapor Block 6		Vapor Block 10		Vapor Block 15	
		English	Metric	English	Metric	English	Metric
Thickness, Nominal		6 mil	0.15 mm	10 mil	0.25 mm	15 mil	0.38 mm
Weight per MSF		29 lb.	13 kg	49 lb.	22 kg	73 lb.	33 kg
Classification	ASTM E 1745	Class C		Class A, B, & C		Class A, B, & C	
Tensile Strength Average MD & TD (new material)	ASTM E 154 Section 9	30 lb./in.	130 N	52 lb./in.	230 N	77 lb./in.	340 N
Tensile Strength Average MD & TD (after soaking)	ASTM E 154 Section 9	25 lb./in.	110 N	55 lb./in.	240 N	82 lb./in.	360 N
Puncture Resistance	ASTM D 1709 Method B	1,500 g		2,600 g		4,000 g	
Maximum Use Temperature		180°F	82°C	180°F	82°C	180°F	82°C
Minimum Use Temperature		-70°F	-57°C	-70°F	-57°C	-70°F	-57°C
Permeance (new material)	ASTM E 154 Section 7 ASTM E 96 Porcedure B	.090 U.S. Perms	.060 Metric Perms	.03 U.S. Perms	.024 Metric Perms	.025 U.S. Perms	.016 Metric Perms

*Y = stock item; A = readily available by order

Concrete Vapor Barriers

CCW-705

Self-Adhering Air & Vapor Barrier Membrane & Strips

CCW-705 is a 40 mil thick composite membrane consisting of a tough, cross-laminated HDPE film fully coated with an aggressive, rubberized asphalt adhesive. The product is packaged in rolls with a disposable silicone paper release liner that is removed during installation.

CCW-705 provides a complete barrier to moisture and air when adhered to an above-grade substrate. It is also useful for other above-grade wall flashing applications. CCW-705 is cold applied and when pressed against the substrate will adhere firmly.

Item #	Code	Description	Stock*
CCW705-4	CCW	4" x 100' CCW705 Strip	Y
CCW705-6	CCW	6" x 100' CCW705 Strip	Y
CCW705-9	CCW	9" x 100' CCW705 Strip	Y
CCW705-12	CCW	12" x 100' CCW705 Strip	Y
CCW705	CCW	36" x 75' CCW705 Membrane	Y



Barritape

High Performance Sheathing Joint Tape

Barritape is a 20 mil thickness adhering flashing consisting of a flexible, 2-mil polypropylene film fully coated with polymer-modified asphalt adhesive. The flashing is coated with a disposable silicone paper release liner that is removed during application. Barritape can be applied to diverse exterior sheathing and board insulation substrates. All surfaces require preparation with a CCW contact adhesive to ensure strong, permanent adhesion.

Item #	Code	Description	Stock*
BARRITAPE-4X100	CCW	4" x 100' Roll	Y

Barricure

Chloride-free Co-spray for Barriseal-S

Barricure is provided in 5 gallon pails as a liquid concentrate, which is diluted at a 3:1 ratio by volume with tap water. The Barricure solution provides instant set of Barriseal-S when sprayed through approved equipment.

Unlike calcium chloride flakes, Barricure is clean and easy to use, nonabrasive and noncorrosive.

Item #	Code	Description	Stock*
BARRICURE-5	CCW	5 Gallon Barricure	Y

Barriseal-R Roller-Applied Air & Vapor Barrier

Barriseal-S Spray-Applied Air & Vapor Barrier

Barriseal-R and Barriseal-S are a water based, polymer-modified asphalt emulsion. The products can be applied over concrete block, concrete, exterior gypsum sheathing, plywood, OSB and many other common building materials without the use of primer. Both products are odor free, solvent free and air dry to form a rubber-like, fully adhered air and vapor barrier. When applied as directed, Barriseal-R and Barriseal-S form a 40 mil membrane.

Barriseal-R's paste-like consistency affords easy coverage and thickness build with a medium to long nap roller.

Barriseal-S is applied with approved spray equipment and can be sprayed safely, even within enclosed spaces.



Barriseal-S application

Item #	Code	Description	Stock*
BARRISEAL-5	CCW	5 gallon Barriseal-R	Y
BARRISEAL-50	CCW	50 gallon Barriseal-S	Y

Have questions? Please call our knowledgeable customer service.

*Y = stock item; A = readily available by order

Concrete Waterproofing

MiraPLY™-H & MiraPLY™-V

Self-adhering, Blindsided Waterproofing Membrane

MiraPLY is a self-adhering, blindsided waterproofing membrane that is a fully adhered composite comprised of a tough, durable and flexible TPO backing with a butyl alloy membrane/adhesive. MiraPLY includes factory applied tape on one edge of the butyl alloy side of the membrane for ease of operation.

MiraPLY is available in a nominal 55-mil horizontal grade (MiraPLY-H) and a nominal 47-mil vertical grade (MiraPLY-V). MiraPLY-H is designed for waterproofing below-grade structural slabs, under slabs and footings. MiraPLY-V is designed for waterproofing zero-property line applications against soil retention systems and critical positive side waterproofing applications.

Item #	Code	Description	Stock*
MIRAPLY-H	CCW	4' x 50' Horizontal Grade	Y
MIRAPLY-V	CCW	4' x 50' Vertical Grade	Y

CCW-703-V

Vertical Grade Liqueal Liquid-Applied Waterproofing Membrane

CCW-703-V is a two component polyurethane waterproofing system. It is self-curing, forming a seamless, impermeable coating that bonds tightly to an appropriate substrate, preventing the lateral transfer of water.

Use CCW-703-V for coating walls, vent pipes, air ducts or other vertical surfaces. CCW-703-V is trowel-applied and will not sag or slide down so proper thickness is maintained top to bottom.

Item #	Code	Description	Stock*
CCW-703-V-2	CCW	2 gallon CCW-703-V Liqueal	Y

Barricoat-R

Roller-Applied Waterproofing Membrane

Barricoat-R is a water based, asphalt emulsion modified with a blend of synthetic rubbers and special additives, which cures to form a flexible, monolithic, waterproofing membrane on vertical surfaces, above or below grade.

Item #	Code	Description	Stock*
BARRICOAT-5	CCW	5 gallon Barricoat-R	Y

CCW-711

Pre-Pave Sheet Membrane Waterproofing System

CCW-711 consists of a self-adhering, rubberized asphalt membrane laminated to a high strength, heat resistant, woven polypropylene mesh. A siliconized release liner prevents the material from sticking in the roll and is easily removed for installation. The factory-controlled thickness assures uniform thickness on the job, while the inherent waterproofing properties of the rubberized asphalt membrane provide an excellent water barrier.

CCW-711 is designed to be used as a waterproofing membrane on the structural slab of bridge decks and parking decks that are to be overlaid with asphalt concrete paving. The system will protect reflective cracking in the asphalt overlay, while helping to retard structures from damage by water and deicing salts.

Item #	Code	Description	Stock*
—	CCW	CCW-711	A

*Y = stock item; A = readily available by order



MiraCLAY®

Bentonite Clay Waterproofing Membrane

MiraCLAY has a uniform layer of sodium bentonite clay that is sandwiched between a durable, puncture-resistant, nonwoven polypropylene fabric and then needle punched together with thousands of high-strength denier yarns. These fibers are then thermally fused to the polypropylene in a proprietary Infrabond™ procedure that locks the sodium bentonite into place.

MiraCLAY is designed for waterproofing below-grade structural slabs as well as construction methods incorporating lagging concrete caisson or shortcrete retention walls.

Item #	Code	Description	Stock*
MIRACLAY	CCW	4.5' x 15.5' Roll	Y



CCW MiraDRI® 860/861

Self-Adhering Sheet Waterproofing Membrane

CCW MiraDRI 860/861 are self-adhering sheet membranes consisting of 56 mils of rubberized asphalt laminated to 4 mils of polyethylene to form a minimum 60 mil membrane. CCW-MiraDRI 860 membrane is a summer grade material, suitable for installations where the ambient temperature is 40°F or above. CCW-MiraDRI 861 should be used for applications between 25°F and 65°F. The combination of these two excellent waterproofing materials provides a high performance, extremely durable waterproofing barrier.

CCW MiraDRI 860/861 membranes are used for vertical and horizontal waterproofing on structural foundation walls and decks. Below-grade foundation walls, tunnels, split slabs, plaza decks and parking decks are all areas where CCW MiraDRI 860/861 may be applied. CCW MiraDRI 860/861 may also be used in interior areas such as mechanical rooms, laboratories, kitchens and bathrooms. CCW MiraDRI 860/861 should be covered with either CCW 200V/300HV Protection Course, CCW Protection Board, or CCW MiraDrain drainage composites.

Item #	Code	Description	Stock*
CCW860	CCW	36" x 67' Membrane (40°F and above)	Y
CCW861	CCW	36" x 67' Membrane (25°-65°F)	Y

LiquiFiber™-W

Integral, High Strength Reinforcement for CCW Fluid Applied, Water Based Membranes

CCW LiquiFiber-W consists of randomly oriented glass strands formed into cohesive mats with a water-soluble binder. LiquiFiber-W is laid into a wet layer of CCW liquid-applied membrane, where the binder dissolves and the glass strands become fully integrated with the membrane. Upon cure, the CCW membrane that is reinforced with LiquiFiber-W exhibits higher multi-axial tensile strength and tear resistance than typical sheet membrane products.

LiquiFiber-W replaces sheet membrane and reinforcing fabric details in the following CCW cold, fluid-applied waterproofing and air barrier systems: Barricoat™, Barriseal™, Barritech NP™ and Barritech VP™. LiquiFiber-W enables a seamless, fully adhered, high strength seal at difficult-to-detail conditions, such as re-entrant corners, pipe/duct penetrations and window openings.

Item #	Code	Description	Stock*
LIQUIFIBER-W-12X300	CCW	12" x 300' Roll	Y
LIQUIFIBER-W-6X300	CCW	6" x 300' Roll	Y

Concrete Waterproofing

CCW LM-800XL *Liquid Mastic*

CCW LM-800XL Liquid Mastic is a fast drying, elastomeric, single component, cold-applied liquid mastic.

CCW LM-800XL is an accessory product used in conjunction with CCW MiraDRI 860/861 membranes. CCW LM-800XL is designed to be used as a fillet and reinforcement under CCW MiraDRI 860/861 membranes at footing foundation wall junctures or other inside corners; between footing and foundations when tying in slab waterproofing with the foundation wall; at pipes and penetrations; and to fill small voids in substrate under membrane.

Other applications include terminations and flashing to protrusions from horizontal and vertical surfaces, terminations at drains, and detailing of the substrate prior to CCW MiraDRI 860/861 membrane application.

Item #	Code	Description	Stock*
LM800XL-29	CCW	29 oz. Liquid Mastic	Y
LM800XL-5	CCW	5 gallon Liquid Mastic	Y

CCW-704 *Mastic*

CCW-704 is a solvent based, rubberized bitumen mastic. After evaporation of the solvent, the remaining compound is a rubber-like material that adheres tenaciously to the polyethylene face of the sheet membrane.

Use CCW-704 Mastic as a secondary seal on the seams, T-joints, overlaps and other terminations/penetrations of the top surface and edges of CCW sheet membrane systems.

Item #	Code	Description	Stock*
CCW704-30	CCW	30 oz. Mastic	Y
CCW704-5	CCW	5 gallon Mastic	Y

CCW Protection Board-V

CCW Protection Board-V is a lightweight, high density, rigid, extruded polystyrene foam designed to provide protection for waterproofing membranes on vertical, below-grade foundation walls. CCW Protection Board-V is not affected by moisture or most soil chemicals so the protection course remains in place to provide long-term protection to the waterproofing membrane.

CCW Protection Board-V protects the waterproofing membrane from damage or aggregate shock during backfilling operations. It is also suitable for use in planters as a vertical protection course for the waterproofing membrane.

Item #	Code	Description	Stock*
PROT.BOARD-V	CCW	1/4" x 48" x 50' Fanfold Bundle	Y

CCW Protection Board-H

CCW Protection Board-H is a heavy-duty, asphalt-impregnated organic mat with a fine mineral applied to the surface to prevent sticking in the roll. CCW Protection Board-H protects the waterproofing membrane on horizontal surfaces from damage by foot traffic and other physical abuse during installation of other work.

Typical uses include plaza decks, roof terrace decks, parking decks and any other horizontal surface to which waterproofing membrane has been applied.

Item #	Code	Description	Stock*
PROT.BOARD-H	CCW	1/8" x 36" x 36' Roll	Y

CCW MiraDRAIN® 6200

Vertical Drainage Composite

CCW MiraDRAIN 6200 is a high performance, high strength drainage composite consisting of a three-dimensional, high-impact polystyrene core and a nonwoven filter fabric. CCW MiraDRAIN 6200 has the added benefit of a polymeric sheet adhered to the back of the core that prevents the drainage core from die cutting the waterproofing membrane.

The filter fabric is bonded to the dimpled polystyrene core to minimize fabric intrusion. The fabric also prevents the passage of soil particles into the core, while allowing water to pass freely.

CCW MiraDRAIN 6200 is designed for use in high flow, high compressive strength, vertical drainage applications where single-sided subsurface drainage is needed.

The flat side of CCW MiraDRAIN 6200 fits directly against wall surfaces, making them ideal for foundation walls, retaining walls, bridge abutments and other similar structures. CCW MiraDRAIN 6200 also serves as a protection course over CCW Waterproofing Membranes.

Item #	Code	Description	Stock*
MIRADRAIN6200	CCW	48" x 50' Roll	Y



CCW MiraDRAIN® 9000

DOT Horizontal Drainage Composite

CCW MiraDRAIN 9000 is a high performance, high strength drainage composite consisting of a three-dimensional, high-impact polystyrene core and a woven filter fabric. The filter fabric is bonded to the individual dimples of the molded polystyrene core. The fabric serves as a filter medium to prevent the passage of particles into the core, while allowing surface moisture to pass freely. CCW MiraDRAIN 9000's woven, monofilament fabrics withstands high abrasion from applied overburden and prevents intrusion into the drainage core due to its low elongation characteristics. The woven fabric is better suited to receive a directly poured concrete topping than nonwoven geotextile fabrics.

CCW MiraDRAIN 9000 is designed for use in horizontal plaza, roof deck and between-slab drainage applications where single-sided subsurface drainage is needed.

CCW MiraDRAIN 9000 also serves as a protection course when used in conjunction with CCW Waterproofing Membranes.

Item #	Code	Description	Stock*
MIRADRAIN9000	CCW	48" x 50' Roll	Y

*Y = stock item; A = readily available by order

Concrete Waterproofing

CCW-702-WB

High Tack, Water Based Contact Adhesive

CCW-702 WB promotes adhesion of CCW self-adhering sheet membranes in air/vapor barrier, window flashing, thru-wall flashing, foundation waterproofing and steep slope roofing underlayment applications.

Item #	Code	Description	Stock*
CCW702WB	CCW	5 gallon CCW-702 WB	Y



CCW-702LV

High Tack, Solvent Based Adhesive

CCW-702 LV is a quick drying adhesive specifically designed to promote maximum adhesion of CCW self-adhering sheet membranes. Apply by medium nap roller or brush.

Item #	Code	Description	Stock*
CCW702LV	CCW	5 Gallon CCW-702 LV	Y

CAV-GRIP™

Low-VOC Aerosol Contact Adhesive

CAV-GRIP is a multipurpose contact adhesive recommended for enhancing bond of CCW self-adhering sheet products and for bonding MiraDRAIN® and board insulation to various substrates. The self-contained spray system delivers a low pressure web that allows quick and even coverage without bounce-back.



Item #	Code	Description	Stock*
CAVITYGRIP-S-40	CCW	40 lb. Cylinder	Y

Sure-Seal® Termination Bar

Sure-Seal Termination Bar is an extruded aluminum bar designed for securing and sealing flashing terminations in accordance with current Carlisle specifications.

Item #	Code	Description	Stock*
TERMBAR-SURESEAL	CCW	10' Aluminum Termination Bar	Y

HLM 5000®

Nontraffic-bearing Waterproofing System

HLM 5000 is a one component, moisture curing, bitumen-modified polyurethane elastomeric waterproofing membrane for exterior below-grade or between-slab applications. It is available in four grades: HLM 5000 SL (Self-Leveling) is formulated for application by squeegee to horizontal areas; HLM 5000 T (Trowel) is formulated for application by trowel to vertical surfaces; HLM 5000 S (Spray) is a specially formulated version of 5000T for spray application; and HLM 5000 R (Roller) is formulated for application by roller to vertical and some horizontal surfaces.

Item #	Code	Grade	Size	Stock*
HLM5000R-5	SON	Roller	5 gallon	Y
HLM5000T-5	SON	Trowel	5 gallon	Y
—	SON	HLM 5000 SL		A
—	SON	HLM 5000 S		A



Utica 315-724-7119

Watertown 315-788-2612

Syracuse 315-671-4400

Travel-Tack™ Aerosol Contact Adhesive

Travel-Tack is a solvent borne, polymer based contact adhesive for improving the adhesion of CCW Air and Vapor Barrier Strips and Baritape self-adhering flashing strips. Travel-Tack can be used to improve adhesion of CCW self-adhering flashing on OSB sheathing, gypsum sheathing, plywood, wood framing, building paper, asphalt-impregnated felt, polymer based house wrap, rigid PVC and metal surfaces.

Item #	Code	Description	Stock*
TRAVEL-TACK	CCW	15 oz. Aerosol Can	Y

Spray Gun

Adjustable Aerosol Spray Gun with Tip

Travel-Tack portable adhesive system spray gun and tip offers ease of use, comfort and is designed to deliver the right amount of adhesive every time.



Item #	Code	Description	Stock*
307490	CCW	Aerosol Spray Gun with Tip	Y

CCW-3300 Double-Sided Butyl Tape

CCW-3300 is a double-sided, butyl-based tape between two release liners capable of bonding a variety of items together. CCW-3300 offers an aggressive grip and stays flexible during application, assuring immediate adhesion on contact and superior long-term bonding. Ideal for metal, plastics and some fabrics, CCW-3300's pressure-sensitive properties allow for a fast, clean and easy application.

Item #	Code	Description	Stock*
CCW3300	CCW	3" x 50' Roll	Y



The Chemical Company

Hydrocide® 600, 700, 700B

Dampproofing Systems

Hydrocide 600, 700 and 700B are cold applied, water based, emulsified-asphalt dampproofing and vapor-retarding coatings for use on "green" or slightly damp surfaces. Hydrocide 600 is fiber-free for application by brush or spray. Hydrocide 700 is reinforced with long fibers for application by trowel. Hydrocide 700B is reinforced with short fibers for application by brush or spray.

Item #	Code	Grade	Size	Stock*
HYDROCID700B5	SON	Brush	5 gallon	Y
HYDROCID600-5	SON	Hydrocide 600		A
HYDROCID700-5	SON	Hydrocide 700		A



*Y = stock item; A = readily available by order

Concrete Waterproofing

Vandex Specialized Concrete Protection & Waterproofing Products

Vandex cementitious waterproofing materials consist of Portland cement, graded quartz aggregates and proprietary ingredients.

Vandex manufactures a comprehensive group of products designed to protect, repair and restore concrete and masonry structures in both new construction and restoration applications. The core products are specifically engineered cement-based mortars and coatings that provide building and facility owners with specifically designed protection systems.

Vandex Solutions

- Waterproofing
- Protection
- Repair
- Restoration
- Joint Systems

Vandex Applications

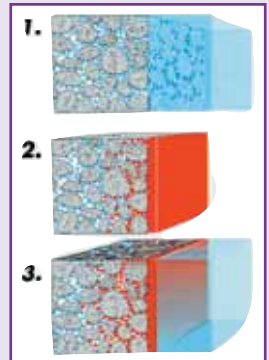
- Drinking water structures, water treatment plants
- Sewage treatment plants, manholes and pipelines
- Hydroelectric plants, dams and structures
- Marine construction
- Building restoration



Readily Available by Special Order

Vandex Super at Work

1. Water has forced its way into the capillaries of an exposed concrete wall, producing leaky, damaged and weakened concrete.
2. After Vandex Super is applied, the materials react with free lime and moisture. Vandex Super penetrates the concrete and forms a crystalline matrix that blocks the capillaries in the substrate.
3. The concrete is now watertight but still allows water vapor transmission. The Vandex crystal complexes remain in the concrete and permanently reactivate upon contact with moisture.



Vandex Products and Areas of Applications					Active Waterproofing	Passive Waterproofing	Structural Repairs	Diaphragm Walls	Slabs	Parking Garages	Tunnel Waterproofing	Swimming Pools	ANSI/NSF Standard 61	Sewage Treatment Plants	Sewers/Shafts	Marine Structures	Water Leaks
Item #	Code	Product	Uses	Packaging													
—	VAN	SUPER SUPER WHITE	Penetrating waterproofing coating for waterproofing and protection of concrete.	50 lb. (22.7 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	BB 75	Waterproofing coating for waterproofing and protection of concrete.	55 lb. (25 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	BB 75 E	Elasticized waterproofing coating with crack bridging capacities; two components.	77 lb. (35 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	MORTAR	Fast setting waterproofing repair and sealing mortar for use in drinking water structures.	50 lb. (22.7 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	CEMELAST	Two component, elasticized waterproofing coating.	75 lb. (34 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	UNI MORTAR 1 ZSR	General purpose waterproofing, repairing and lining mortar.	55 lb. (25 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	UNI MORTAR CA	Waterproofing, repairing and lining mortar for sewers, sewage treatment plants and manholes.	55 lb. (25 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	PLUG	Rapid setting mortar for plugging water leaks.	33 lb. (15 kg)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	EXPASEAL 2520/2010	Expanding waterstop for construction joints.	2520:98 ft. 2010:197 ft.	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	CONSTRUCTION JOINT TAPE	Waterproofing tape for construction joints and cracks.	98 ft. (30 m)	■	■	■	■	■	■	■	■	■	■	■	■	■
—	VAN	QUICKBINDER	Accelerator for VANDEX SUPER	1 & 10 liter													■

The information contained herein is based on our long-term experience and the best of our knowledge. We can, however, make no guarantee since a successful outcome requires all circumstances in an individual case be taken into consideration. Indications of quantities required are only averages, which in certain cases might be greater. Contact Vandex USA for Job Specific Extended Warranties.

Concrete Waterproofing

Sealmastic™ Solvent Bituminous Dampproofing

Sealmastic Solvent Dampproofings are asbestos-free, fibered and nonfibered asphalt compounds containing an exclusive wetting agent to convert a naturally hydrophobic surface to a hydrophilic surface to assure proper coating adhesion. Both the brush-on and trowel-applied versions are flexible and will span small holes and hairline cracks. All three grades withstand temperature changes and will not crack under normal expansion and contraction. All Sealmastic products meet the VOC content limits of 500 g/L for bituminous coatings and mastics as required by the U.S. EPA Architectural Coatings Rule.



Solvent Types

SPRAY-MASTIC™

A nonfibered asphalt compound for use where spray application is desired.

SEMI-MASTIC™

A brush or spray-on fibered asphalt compound designed to protect exterior, below-grade masonry walls.

TROWEL-MASTIC™

A trowel-applied, heavy-bodied, fibered asphalt compound for exterior, below-grade masonry wall surface applications designed to protect porous or irregular surfaces.

Sealtight Hot-Mop Dampproofing

Sealtight Hot-Mop Dampproofings are available in two types for above and below-grade applications to meet varying temperatures.

Types

Type I Below Grade – Use for below-grade applications where moderate temperatures are encountered.

Type II Above Grade – Use for above-grade structures not exposed to temperatures exceeding 125°F.



Sealmastic™ Emulsion Bituminous Dampproofing

Sealmastic Emulsion Dampproofings permit moisture vapor to escape through the film while remaining resistant to water penetration. This prevents blistering of applied films. They can be applied to green concrete. All Sealmastic products meet the VOC content limits of 500 g/L for bituminous coatings and mastics as required by the U.S. EPA Architectural Coatings Rule.

Emulsion Types

TYPE I SPRAY GRADE

An asphalt-base, nonfibered, clay emulsion. Under normal use, it resists flow or sag. Its greater resistance to water is ideal where spray application is desired.

TYPE II BRUSH-ON/SPRAY GRADE

An asphalt-base, clay emulsion with fibers specifically formulated to offer a tight film that combines both excellent strength and resistance to water.

TYPE III TROWEL-GRADE

A trowel applied, mineral colloid, asphalt emulsion fibered with selected fibers and produced in an ideal, light trowel application consistency. TYPE III offers high weather, water, corrosion and abrasion resistance. It can be used as an adhesive on foam board installations.

Item #	Code	Description	Stock*
—	WRM	Sealmastic Solvent Bituminous Dampproofing	A
—	WRM	Sealmastic Hot-Mop Dampproofing	A
—	WRM	Sealmastic Emulsion Bituminous Dampproofing	A

Masonry Anchors & Ties



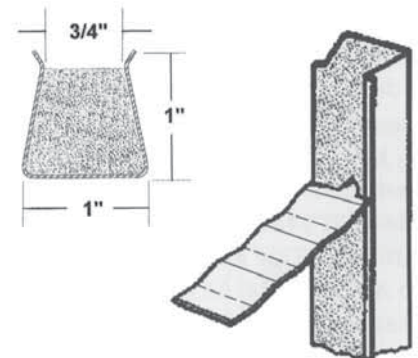
PRO-SLOT™ Anchor Slot & Dovetail Anchor

PRO-SLOT Anchor Slot is a stay-in-place concrete form used in forming a channel into the face of any cast-in-place wall or column. By installing Dovetail Anchors into the PRO-SLOT, brick, block or stone can be anchored to the concrete surface.

PRO-SLOT Anchor Slot is manufactured of G60 hot dipped mill galvanized steel in 26/28, 24, 22, 20 and 18 gauge. PRO-SLOT is offered standard in 10' lengths, with custom lengths available on a special order basis. PRO-SLOT is standard with a polystyrene foam filler to keep the channel clear of concrete and resist closure due to hydraulic pressure. It is also available without a polystyrene foam. PRO-SLOT incorporates continuous nail grooves along the back edge of the profile to help in nailing the slot to the forms.

Dovetail Anchors are manufactured in 16 gauge, hot dipped galvanized steel and are furnished in 3½" and 5½" lengths with a 1" overall width.

PRO-SLOT Anchor Slot and Dovetail Anchors are mill galvanized before fabrication and conform to ASTM A 924, ASTM A 653 CQ or LFQ.



Item #	Code	Description	Stock*
DOVETAIL-26	EXP	PRO-SLOT Anchor Slot: 26 gauge - 10' length	Y

*Y = stock item; A = readily available by order

Masonry Anchors & Ties



DW-10HS® Veneer Anchor



DW-10HS (High Strength) is for anchoring brick veneer to metal stud, masonry or wood backup, primarily when there is no insulation and little potential for wallboard deterioration.

- 5½" long with 3" of vertical adjustability
- Furnished with 9/32" diameter holes
- Available Mill Galvanized, Hot Dipped Galvanized or Stainless Steel
- Available in 14 or 12 gauge thickness

Item #	Code	Description	Stock*
DW10HS	HB	14 Gauge - Hot Dipped Galvanized	Y

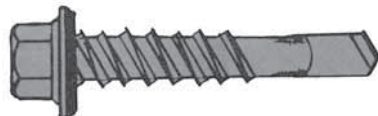


Vee Byna-Tie

Vee Byna-Tie (VBT) is for use with X-SEAL or DW-10 series veneer anchors; also for use with #359 Weld-on Ties.

- Available finishes: Hot Dip Galvanized or Stainless Steel
- Available diameters: Standard 3/16" or Heavyweight 1/4"
- Available lengths: 3", 3½", 4", 4½" or 5"

Item #	Code	Description	Stock*
VBT	HB	3/16" x 3" HDG Vee Byna-Tie	Y



Self-Drilling, Self-Tapping Screw

- Pre-installed EPDM sealing washer
- Standard sizes: #10 or #12 x 1½" to 5" long
- Zinc Plated, Polymer Coated or Type 410 Stainless Steel

Item #	Code	Description	Stock*
10X112BONDEDTEK	HB	10" x 1½"	Y



X-Seal™ Anchor shown with Byna-Lok™ Tie

X-Seal™ Anchor

The X-SEAL Anchor addresses the problem of possible long-term deterioration of the insulation or wallboard. The horizontal pronged legs bridge the sheathing and abut the steel stud, affording independent, positive anchorage. Compression of the sheathing by positive loads is also prevented. In addition, the horizontal pronged legs are moved in from each end, enabling the backplate portion of the anchor to effectively seal the wallboard/insulation. This helps to maintain the integrity of the vapor barrier and prevents the ingress of air and moisture through the sheathing. The pronged legs are also rib-stiffened and oriented closer to each other to enhance the compressive strength.

The X-SEAL Anchor is available in leg lengths from ½" to 4½" (combination of wallboard and/or insulation).

X-Seal™ Anchor with Byna-Lok™ Tie

The Byna-Lok Wire Tie is added to the X-Seal Anchor to create the X-seal/Byna-Lok System. The Byna-Lok Wire Tie accepts continuous wire in the brick veneer for seismic zone usage. Continuous wire is also beneficial for crack prevention due to thermal expansion and contraction, and it aids in the even distribution of positive loads.



Item #	Code	Description	Stock*
—	HB	X-Seal Anchor	A
—	HB	X-Seal Anchor with Byna-Lok Wire Tie	A

X-SEAL® Tape

X-SEAL Tape is adhesive-backed and is applied to the substrate behind the X-SEAL Anchor for additional protection against air and moisture infiltration. X-SEAL Tape is UV-resistant for up to 90 days.



Item #	Code	Description	Stock*
—	HB	3" x 75' X-SEAL Tape	A

Please call McQuade & Bannigan for specifications & pricing on all Hohmann & Barnard products

Masonry Anchors & Ties

Seismiclip® Interlock System

Reinforces masonry veneer wall applications

The Seismiclip Interlock System utilizes the Seismiclip seismic clip to anchor new masonry veneer to existing masonry, concrete or steel. The Seismiclip accepts H&B's Vee Byna-Tie® wire ties and continuous wire, which are snapped into the Seismiclip and fully surrounded by mortar. This allows all components to function integrally as a single unit.

The Seismiclip is an extrusion of durable, impact-resistant, rigid PVC. It features retaining ridges to ensure correct snap-in insertion of Vee Byna-Tie® and continuous wire and a multi-grooved base to bond mortar.

Benefits

• ENHANCED PERFORMANCE

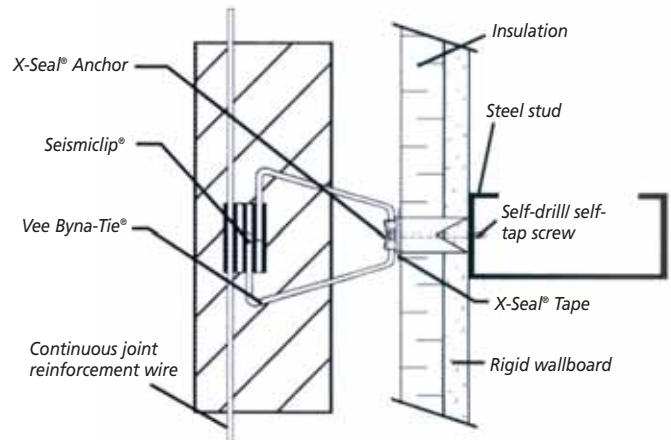
The use of a continuous wire in masonry veneer walls is beneficial in providing additional protection against problems arising from thermal expansion and contraction. It also allows for a more uniform distribution of lateral forces.

• SEISMIC ZONE CONFORMANCE

This system conforms with requirements of the Uniform Building Code for seismic zones. The code requires anchored veneer walls to have a continuous wire imbedded in the mortar joint. The wire is to be secured to the tie anchor, which is fastened to the supporting structure.

SEISMICLIPS ARE SOLD ONLY IN CONJUNCTION WITH OTHER COMPATIBLE H&B PRODUCTS.

Item #	Code	Description	Stock*
—	HB	#187 Seismiclip for use with 3/16" dia. Vee Byna-Tie	A
—	HB	#250 Seismiclip for use with 1/4" dia. Vee Byna-Tie	A



2-Seal™ Tie

The 2-Seal Tie is an innovative single screw veneer tie for metal stud construction. Fabricated from carbon steel with a premium quality organic polymer coating, the 2-Seal Tie has a dual-diameter barrel with factory-installed EPDM washers to seal both the face of the insulation and the air/vapor barrier.

- #12 screw integrated into the dual-diameter barrel
- Barrel portion available in 5/8", 1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4" and 4 1/2" lengths to accommodate thickness of insulation and/or wallboard
- Available finishes: Hot Dip Galvanized and Stainless Steel
- The projecting eyelet accepts a 3/16" x 3", 4" or 5" long 2-Seal Byna-Lok Wire Tie for the masonry veneer wall mortar joint

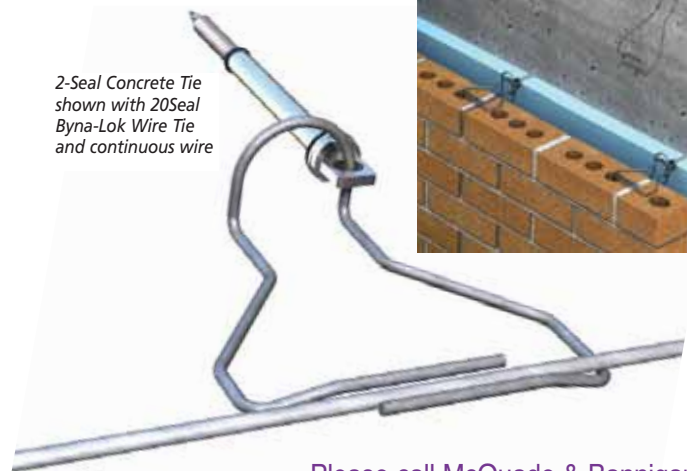


2-Seal™ Concrete Tie

The 2-Seal™ Concrete Tie ties masonry veneer to the substrate. The #14 diameter screw portion has special alternating threads making it suitable for use with concrete, CMU, wood stud or brick backup, and is provided with a single EPDM sealing washer. The special point affords easy installation into a predrilled hole.

- Barrel portion available in 5/8", 1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4" and 4 1/2" lengths to accommodate thickness of insulation and/or wallboard
- Available finishes: Hot Dip Galvanized and Type 304 Stainless Steel
- The projecting eyelet accepts a 3/16" x 3", 4" or 5" long 2-Seal Byna-Lok Wire Tie for the masonry veneer wall mortar joint

2-Seal Concrete Tie shown with 20Seal Byna-Lok Wire Tie and continuous wire



2-Seal™ Byna-Lok Wire Tie

The 2-Seal Byna-Lok Wire Tie is available in 3/16" diameter x 3", 4" or 5" long and in Hot Dip Galvanized or Type 304 Stainless Steel. The 2-Seal Byna-Lok Wire Tie is adaptable for seismic zones with the simple addition of 9 gauge or 3/16" continuous wire dropped into the integral track formed by the swagged, overlapping legs of the wire tie.

Masonry Anchors & Ties



#303 Corrugated Dovetail Brick Tie

For anchoring masonry to concrete with #305 Dovetail Slot.

- Finish: Hot Dip Galvanized or Stainless Steel
- 1" wide x 3½" or 5½" long; other lengths available
- Thickness: 12, 14 or 16 gauge



#305 Dovetail Slot

For anchoring masonry to concrete with dovetail ties.

- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- Slots are standard 10 ft. lengths and foam filled
- Thickness: 16, 18, 22 or 24 gauge



#344 Rigid Partition Anchor

For anchoring load bearing walls at intersections.

- Finish: Plain Steel, Hot Dip Galvanized or Stainless Steel
- Made to order from ⅛", ⅜", ¼" or ⅜" bar stock
- 1", 1¼", 1½" or 2" wide by any length (state when ordering)
- Standard bends are 2"
- Other sizes available upon request



#345-SV Seismic-Notch Veneer Anchor

Seismic-Notch Veneer Anchor is modified to comply with seismic codes that call for continuous wire in the veneer to be an integral component of the anchor system. The Seismic Notch forms a seat to accommodate 9 gauge or ⅜" diameter continuous wire.

- Finish: Mill Galvanized, Hot Galvanized or Stainless Steel
- Sizes: 1¼" wide x 11, 12 or 14 gauge
- Hole size to suit fastener (state when ordering)
- Available in any length



#315 Flexible Dovetail Brick Tie

For use with #305 Dovetail Slot or anchored directly to backup. Permits horizontal and vertical movement of the masonry wall, while restraining tension and compression.

- Finish: Hot Dip Galvanized or Stainless Steel
- Dovetail Head: Standard 14 gauge or Heavyweight 12 gauge
- Vee Wall Tie Diameter: Standard ⅜" or Heavyweight ¼"
- Vee Wall Tie Length: 3", 3½", 4", 4½" or 5" (other lengths available)



#315-BT Flexible Dovetail Brick Tie with Vee Byna-Tie®

The 315-BT is fitted with a Vee Byna-Tie for use with the Seismicclip® Interlock System and with 305 Dovetail Slot. Horizontal joint reinforcing wire and Vee Byna-Tie are snapped into Seismicclip and covered with mortar. This allows wire, tie and anchor to function as a single unit attached to the backup.

Continuous wire is beneficial for seismic zones or to provide additional protection against problems arising from thermal expansion and contraction. The continuous wire also allows for a more uniform distribution of lateral forces.

- Finish: Hot Dip Galvanized or Type 304 Stainless Steel
- Dovetail Head: Standard 14 gauge x 1"
- Standard Vee Byna-Tie® available ⅜" diameter x 2½" through 9" long



#345-BT Flexible Tie

For tying masonry to concrete or CMU backup with a flexible (not rigid) connection. Comprised of a Vee Byna-Tie® with a wrap-around metal strap.

- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- Sheet steel is ¾" wide x 12 Gauge thick with ⅝" screw hole
- Vee Byna-Tie® is ⅜" diameter x 3", 3½", 4", 4½", 5", 6" or 7" long

Masonry Anchors & Ties

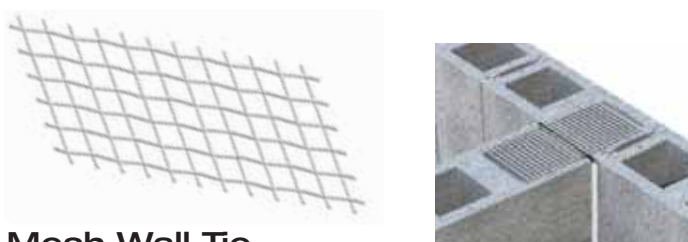


Corrugated Wall Tie

For anchoring masonry to masonry.

- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- Standard size: $\frac{7}{8}$ " wide x 7" long
- Thickness: 16, 18 or 22 gauge
- Other widths, lengths and gauges available

Item #	Code	Description	Stock*
CWT	HB	$\frac{7}{8}$ " x 7" Corrugated Wall Tie - Mill Galvanized, 22 ga.	Y



Mesh Wall Tie

For bonding intersecting masonry walls.

- Finish: Hot Dip Galvanized
- Size: $\frac{1}{2}$ " square x 16 gauge
- Cut to width or length required
- Also available in 100 foot rolls, width to suit
- Also available in Stainless Steel



#301W & #302W Column Web Ties

For tying masonry to structural columns.

- 301W Column Web Tie is used with 359 Weld-on Ties
- 302W Column Web Tie has a 1" flat end for use with 359-FH Weld-on Ties
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- $\frac{3}{16}$ " or $\frac{1}{4}$ " diameter x 12" long
- Standard Widths: $2\frac{3}{8}$ " (for 4" Block) 10" (for 12" Block)
- 4" (for 6" Block) 12" (for 14" Block)
- 6" (for 8" Block)

Please call McQuade & Bannigan for
SPECIFICATIONS, PRICING & AVAILABILITY



Slip-Set™ Stabilizer

Bonds masonry walls and restrains lateral movements while allowing expansion and control joints to perform as designed.

- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- Use style 'H' to connect level horizontal mortar joints
- Field bend to connect intersecting or new walls to existing walls



#359/#359-C/#359-FH Weld-On Ties

Weld-on Ties are used in conjunction with Vee-Byna Ties®, 301W Column Web Ties or 302W Column Web Ties to anchor masonry to the structural frame while allowing vertical differential movements between steel and masonry.

- 359 Weld-on Tie: $\frac{1}{4}$ " diameter x 8" long; use with Vee-Byna Tie or #301W Column Tie
- 359-C Weld-on Tie: $\frac{1}{4}$ " diameter x 8" long with 8" o.c.; use with Vee-Byna Tie or #301W Column Tie
- 359-FH Weld-on Tie: $\frac{3}{4}$ " diameter x 12 gauge x 6" long; use with #302W Column Tie



#359FP & #359FP-C Weld-On Ties

For use when there is a requirement for spray-on fireproofing. Exaggerated offset dimension 'L' (specify when ordering) allows for projection beyond fireproofing for visibility and accessibility to the mason.

- #359FP - $\frac{3}{8}$ " dia. x 9" long
- #359FP-C is a continuous 8' length $\frac{3}{8}$ " dia with offsets 16" o.c.
- Finish: Plain Steel, Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- Optional backplates (sold separately) restrain compressive loads

Masonry Anchors & Ties

#360/#361/#362/#362-C Gripstay™ Channels

- #360: Welded onto steel web or flange; 7½" long (5½" vertical adjustability); ⅝" holes
- #361: Furnished with welded straps on top and bottom for embedment into a CMU backup; 7½" long (5½" vertical adjustability)
- #362: Furnished with integrally formed end tabs for attachment to masonry; 6¼" long o.a.; ⅝" holes
- #362-C: Continuous Gripstay Channel in standard lengths of 5' (other lengths available); ⅝" holes
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- Standard thickness: 11, 12 or 14 gauge
- Accept any Gripstay Anchor for masonry or stone



#362-CX Gripstay™ Channel System

For use on backup block with insulation. Factory-welded prongs bridge the insulation and abut the concrete block (or other substrate), affording independent, positive anchorage. The integrity of the insulation is maintained while compression due to positive loads is prevented. Available for insulation up to 4" thick.

- Standard lengths of 5' (other lengths available)
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel
- Standard thickness: 11, 12 or 14 gauge



#363 Flexible Gripstay™ Channel Anchor Head

Permits horizontal and vertical movement of the masonry wall while restraining the wall from moving laterally out of plane.

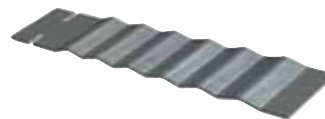
- Gripstay head is 14 gauge x 1¼" wide
- Vee Wall Tie is ⅜" diameter x 3", 3½", 4", 4½", 5", 7" or 9"
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel



#364 Corrugated Gripstay™ Anchor

Ties masonry to steel columns, concrete or existing walls.

- 1¼" wide x 12, 14 or 16 gauge thick
- Available in any length (length taken from face of channel)
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel



#365 Bent Gripstay™ Anchor

Ties masonry to steel columns, concrete or existing walls.

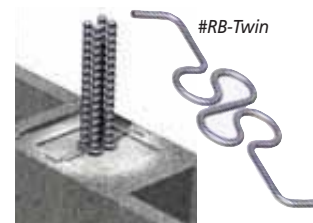
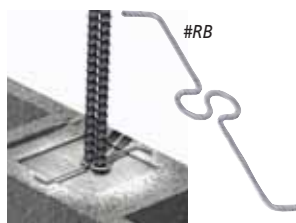
- Standard 1" bend
- 1¼" wide x 12, 14 or 16 gauge thick
- Available in any length (length taken from face of channel)
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel



SPYRA-LOX® Rebar Lap-Joint Tie

SPYRA-LOX® Rebar Lap-Joint Tie eliminates the cumbersome procedure of tying lap-joined rebars together in reinforced walls.

- Increases worker productivity
- Reduces lifting-height of block over rebars
- Flow-through design allows grout to uniformly encase rebars at overlap
- Correct installation procedure allows for systematic placement of rebars to accommodate varying overlap requirements—call for installation information
- Available for ½", ⅝", ¾", 7/8" and 1" rebars
- Finish: Mill Galvanized



#RB & #RB-Twin Rebar Positioners

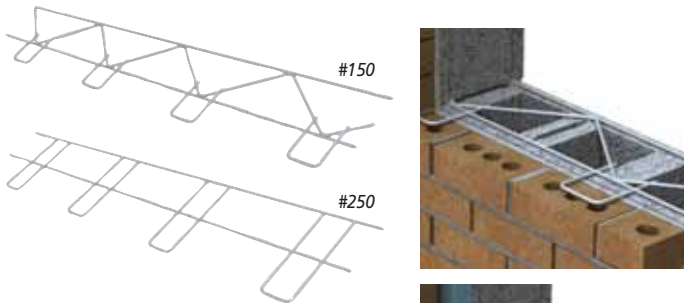
For positioning rebars in center of block, allowing the simple Z-shaped wire to bridge the cell of the block while bends rest on the shell.

- #RB positions two rebars
- #RB-Twin has double loops to hold four rebars
- Available for 6", 8", 10" & 12" block
- 9 gauge wire
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel

Masonry Anchors & Ties

LOX ALL® Truss & Ladder Joint Reinforcement

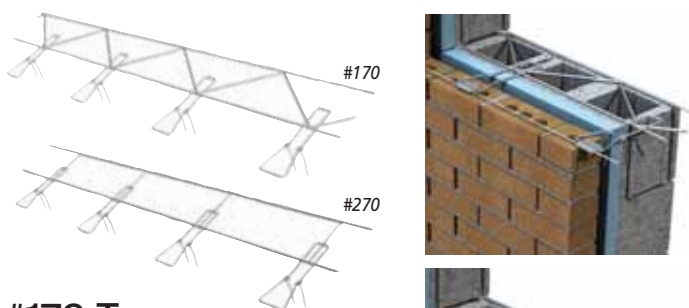
Hohmann & Barnard's Lox-All Truss-Mesh and Ladder-Mesh are continuous lengths of joint reinforcement that are embedded into the horizontal mortar joints of masonry walls for superior performance of masonry wall construction.



#150 & #155 Truss Box-Mesh #250 Ladder Box-Mesh

Box-Mesh for block-and-brick composite walls. Welded boxes project from backup truss reinforcement and tie into brick face.

- #150 & #250 are single-unit veneer systems
- #155 adds cavity drip to #150
- Reinforcing (side rods x cross rods) can be Standard Weight (9 ga. x 9 ga.), Extra Heavy ($\frac{3}{16}$ " x 9 ga.) or Super Heavy Duty ($\frac{3}{16}$ " x $\frac{3}{16}$ ")
- Length: 10'
- Boxes and Hooks: 16" o.c.
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel



#170 Truss Adjustable Eye Wire #270 Ladder Adjustable Eye Wire

Adjustable Joint Reinforcement with Eyes and Pintles for cavity and insulated walls.

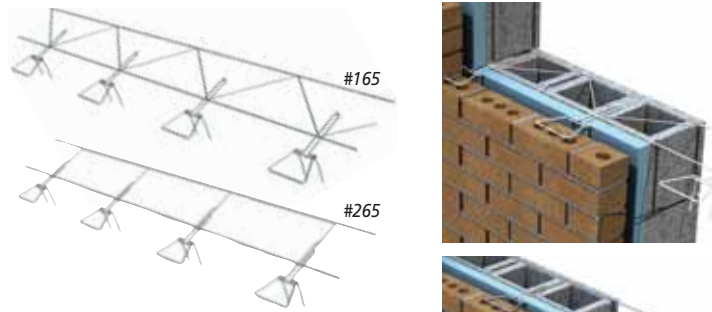
- Allows construction of interior wythe in advance of exterior wythe
- Rectangular pintle acts as a vertically adjustable anchor to bond exterior masonry, while restraining in and out movement
- Projecting eyes are 3-point welded to the backup ladder reinforcement
- Design of pintle serves to mechanically secure insulation to the masonry backup
- Reinforcing (side rods x cross rods) for interior wythe can be Standard Weight (9 ga. x 9 ga.), Extra Heavy ($\frac{3}{16}$ " x 9 ga.) or Super Heavy Duty ($\frac{3}{16}$ " x $\frac{3}{16}$ ")
- Eyes and Pintles are $\frac{3}{16}$ " diameter standard
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel

Please call McQuade & Bannigan for
SPECIFICATIONS, PRICING & AVAILABILITY

Utica 315-724-7119

Watertown 315-788-2612

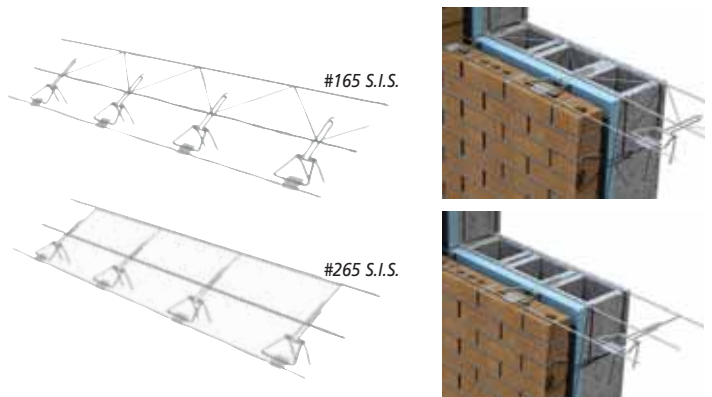
Syracuse 315-671-4400



#165 Adjustable Truss #265 Adjustable Ladder

Adjustable Joint Reinforcement has "winged loops" welded to the back-up reinforcing. The loops accept pintles to allow vertical adjustability while restraining transverse movement of the two wythes. Suitable for collar joint conditions, cavity walls and insulated walls.

- Reinforcing (side rods x cross rods) for interior wythe can be Standard Weight (9 ga. x 9 ga.), Extra Heavy ($\frac{3}{16}$ " x 9 ga.) or Super Heavy Duty ($\frac{3}{16}$ " x $\frac{3}{16}$ ")
- Eyes and Pintles are $\frac{3}{16}$ " dia. standard
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel



Seismicclip® Interlock System (S.I.S.)

#165 Truss S.I.S. & #265 Ladder S.I.S.

Truss/Ladder S.I.S. features Adjustable Truss/Ladder Joint Reinforcement combined with the Seismicclip® Interlock System. The Adjustable Truss/Ladder S.I.S. reinforces the outer wythe while retaining all the advantages of an adjustable reinforcement system. The system also allows in-plane vertical and horizontal movement while restraining in and out movement.

Truss/Ladder S.I.S. enhances performance by using continuous wire in masonry veneer walls, which is beneficial in providing additional protection against problems arising from thermal expansion and contraction. It also allows for a more uniform distribution of lateral forces.

- System conforms to the requirements of the Uniform Building Code for seismic zones
- Reinforcing (side rods x cross rods) for interior wythe can be Standard Weight (9 ga. x 9 ga.), Extra Heavy ($\frac{3}{16}$ " x 9 ga.) or Super Heavy Duty ($\frac{3}{16}$ " x $\frac{3}{16}$ ")
- Eyes and Pintles are $\frac{3}{16}$ " dia. standard
- Continuous wire available 9 ga. or $\frac{3}{16}$ " dia.
- Finish: Mill Galvanized, Hot Dip Galvanized or Stainless Steel

Masonry Anchors & Ties

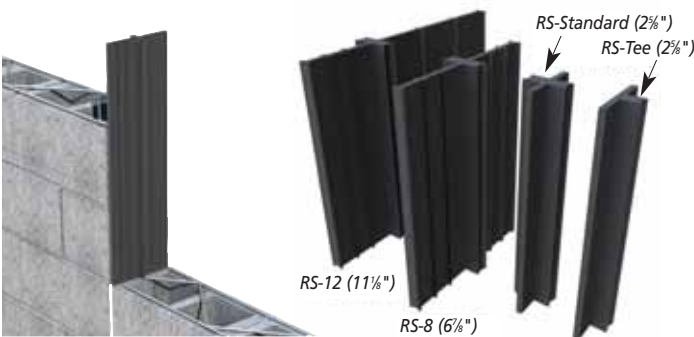


NS Closed Cell Neoprene Sponge

Closed Cell Neoprene Sponge is placed horizontally beneath relieving angle or in the vertical expansion joint to act as a control joint. NS also prevents clogging of expansion joint with mortar.

- Available in 1/4", 3/8" or 1/2" thickness (others also available)
- Standard width is 3"; other widths cut as required
- Length per piece is 4 ft.
- Available with adhesive backing
- Available with tear-strip
- Conforms to ASTM D-1056 Grade 2A1

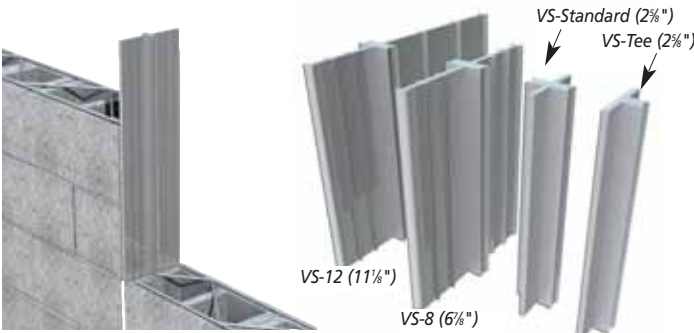
Item #	Code	Description	Stock*
NEOPRENE38X3-50	HB	3/8" x 3" x 50' Neoprene Expansion Joint	Y



RS Series Rubber Control Joint

Extruded rubber material designed for masonry walls at control joints.

- Rubber material conforms to ASTM D-2000 2AA-805 with a durometer hardness of 80 (±5) when tested in conformance with ASTM D-2240
- Length per piece is 4 ft.

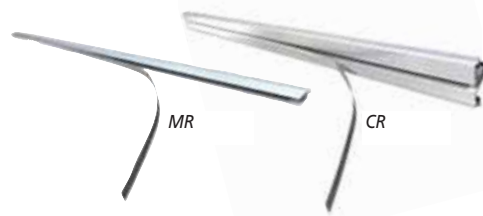


VS Series PVC Control Joint

Polyvinyl chloride control joints suitable for various wall conditions.

- PVC material conforms to ASTM D-2287 (Type PVC 654-4) with a durometer hardness of 85 (±5) when tested in conformance with ASTM D-2240
- Length per piece is 4 ft.

Masonry Flashing



MR Masonry Reglet CR Concrete Reglet

Made of rigid PVC, reglets are embedded into the mortar joint of masonry backup to accept flashing. Built-in face plate keeps mortar out as construction progresses, yet easily tears off prior to installation of flashing.

- MR: Fits into 3/8" mortar joint; 8' long; 5/8" internal depth; 1 1/4" o.a. depth
- CR: 8' long x 3/4" depth

MR application



CR application



Mortar/Grout Screen

Mortar/Grout Screen (MGS) is a 1/4" square monofilament screen fabricated from high strength, noncorrosive polypropylene polymers.

- Isolates flow of grout in designated areas requiring reinforced concrete block
- Allows for greater bonding of masonry anchor in hollow block construction
- Micro-thin material has high tensile and burst strength, yet will not interfere with mortar bond
- Standard widths: 4", 6", 8", 10" & 12" x 100' roll



T1 Termination Bar

Used at top of flashing to secure it to backup.

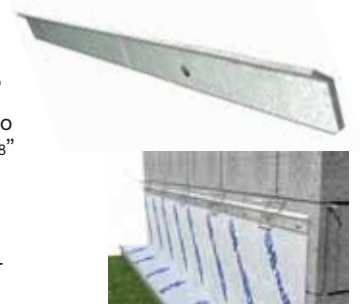
- 1/8" x 1" x 8' long
- 1/4" holes spaced 8" o.c.
- Finish: Type 304 Stainless Steel, Aluminum or Plastic



T2 Termination Bar

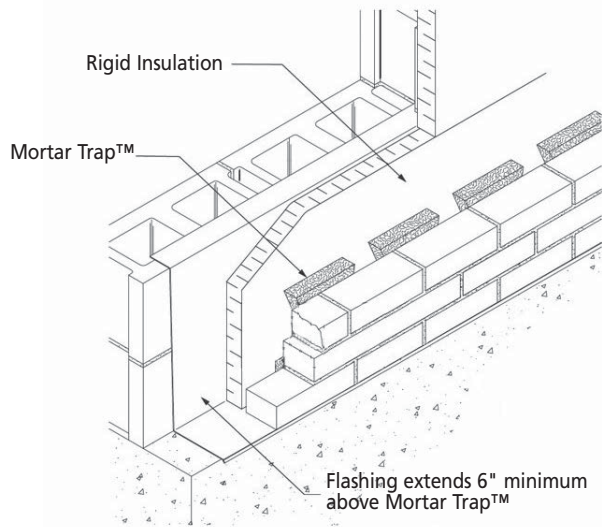
Used at top of flashing to secure it to backup. T2 Termination Bar has a 3/8" flange on top for easy caulking

- 26 ga. x 1 1/2" x 8' long
- 1/4" holes spaced 8" o.c.
- Finish: Type 304 Stainless Steel or Aluminum



Please call McQuade & Bannigan for
SPECIFICATIONS, PRICING & AVAILABILITY

Masonry Flashing



Mortar Trap™

Mortar Trap is manufactured from high-density polyethylene (HDPE) strands woven into a 90% open mesh. Its unique shape breaks up mortar droppings and prohibits mortar from creating a moisture retaining barrier, allowing water to flow freely to the weep holes.

- 90% open mesh construction allows unobstructed passage of air and water through the material itself so walls breathe, drain and dry quicker
- Will not react with common building products (PVC, polystyrene, copper, rubberized asphalt, lead, stainless steel or galvanized metal)
- Will not absorb or trap moisture, support mold or fungus, and is inedible to insects
- Will not degrade as a result of temperature variations and is designed to last for the life of the building
- Keeps weep holes open—catches and permanently suspends mortar droppings so blockage can't occur
- Fast, easy installation by masons—does not require fasteners or adhesives, no special skills or tools.
- Slightly compressible to allow for cavity variations in the field
- 10" high x 4' long
- Available thickness: .4", 1", 1½" or 2"

Item #	Code	Description	Stock*
MORTARTRAP-1	HB	1" x 10" Mortar Trap	Y
MORTARTRAP-2	HB	2" x 10" Mortar Trap	Y



#343 Louvered Weep Hole

343 Weep Hole features louvers configured to direct the passage of water from the wall cavity to outside of building while inhibiting reverse passage of water. Design permits air passage into cavity, thus aiding pressure equalization and reducing suction which can cause water penetration.

- Injection-molded flexible grey PVC
- Rectangular closure strip prevents mortar droppings from clogging openings
- Compressible flanges can accommodate joint widths of ½" - ¾"
- Standard height: 2¼", 2⅞" or 3½"

Utica 315-724-7119

Watertown 315-788-2612

Syracuse 315-671-4400



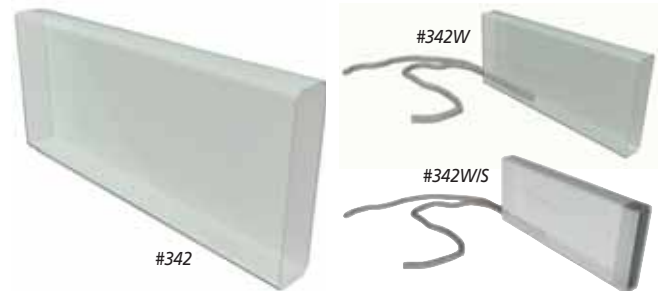
#341 Series Round Plastic Weep Holes

341 Series Round Plastic Weep Holes provide an outlet for water inside a building to move outside the wall and evaporate. They are manufactured from medium density, white polyethylene.

- #341 – ¼" or ⅜" O.D. x 4" long
- #341W – ⅜" O.D. x 4" long; provided with cotton wick attached
- #341S – ⅜" O.D. x 4" long; provided with brass or stainless steel screen insert
- #341WS – ⅜" O.D. x 4" long; provided with both wick and brass or stainless steel screen insert



Item #	Code	Description	Stock*
341-HB	HB	⅜" x 4" Round Weep Hole	Y



#342 Rectangular Plastic Weep Holes

342 Rectangular plastic weep holes provide an outlet for water inside a building to move outside the wall and evaporate. They are manufactured from clear butyrate.

- #342 – ⅜" x 1½" X 3½"
- #342W – ⅜" O.D. x 4" long; provided with cotton wick attached
- #342S – ⅜" O.D. x 4" long; provided with screen insert (brass or stainless steel)
- #342 W/S – ⅜" O.D. x 4" long; provided with wick and screen



#343W Wilko™ Weep Hole

343W Weep Hole features louvers configured to direct the passage of water from the wall cavity to outside of building, while inhibiting reverse passage of water. Design permits air passage into cavity, thus aiding pressure equalization and reducing suction which can cause water penetration.

- Painted aluminum in grey or white
- Standard height: 2¼" or 3¼"



Masonry Flashing



QV Quadro-Vent™

Quadro-Vent's honeycomb design allows passage of moisture from cavity to the building exterior while restricting ingress of insects and other debris. It also allows passage of moisture up to its 2½" height, which is important in the event of mortar droppings at bottom of the cavity

- Polypropylene tested in conformance with ASTM D2240, D790B D638 and D1238B
- Available in Black, Grey, Clear, Almond, Buff, Cocoa, or White
- Standard size: ¾" x 2½" x 3⅜"; other sizes available



Item #	Code	Description	Stock*
QUADROVENT-CL	HB	Clear Cell Vent	Y



MFL Metal Flashing

- Formed according to job requirements
- Comes standard with factory formed, hemmed drip edge
- Gauge: 26 ga. type 304 stainless steel or 16 oz. or 12 oz. copper
- Lead-coated copper, terne-coated stainless steel or other gauges are available on special order

EPRA-MAX™ EPDM Thru-Wall Flashing

EPRA-MAX EPDM Flashing remains flexible to -49°F and is not susceptible to decomposition due to UV exposure, making it an excellent product for year-round installation.

- Superior tear and puncture resistance
- Will not drool in high temperatures
- High or low temperatures are not detrimental to EPDM performance
- 40-mil thick x standard widths of 12", 16", 18", 20", 24" & 36"



Copper-Flex™ Fabric Flashing

This thru-wall/surface-mounted copper flashing is a polyethylene film laminated to a 2 oz. copper sheet. It combines the best features of H & B's Flex-Flash™ flashing with their copper fabrics to create a superior flashing that can also serve as a drip edge. Copper-Flex has a pressure-sensitive, clear adhesive that will not drool when exposed to UV or heat.

- Extremely tough, with excellent impact and tear resistance
- Maintains flexibility in extreme heat or cold weather environments
- Highly resistant to oils and will repel most chemicals
- Asphalt-free composition compatible with a wide variety of sealants
- Available in 12", 16", 18", 20", 24" & 36" wide x 25' long rolls



Copper-Tuff™ Flashing

Copper-Tuff Thru-Wall Flashing is a patented super-strong polymer coating bonded to 3, 5, or 7 oz. copper sheet for maximum performance at an economical price.

- More than twice the tensile strength of typical 5 oz. copper fabric flashing
- Fiberglass scrim embedded between coating and copper for superior puncture and tear resistance
- Asphalt-free composition compatible with a wide variety of sealants
- Available in 12", 16", 18", 20", 24", 32" & 36" wide x 25' long rolls



Copper-Tuff™ SA Flashing

Peel-N-Stick Copper Flashing

Copper-Tuff™ SA is a self-adhering thru-wall/surface-mounted copper flashing. A patented super-strong polymer coating is bonded to a 3, 5 or 7 oz. copper sheet for maximum performance. A fiberglass scrim is embedded between this coating and the copper for excellent puncture and tear resistance.

- UV resistant for 120 days
- Self-Adhering with removable release paper
- Will not drool like typical rubberized-asphalt adhesives
- Available in 12", 16", 18", 20", 24", 32" & 36" wide x 25' long rolls



Please call
McQuade & Bannigan for
**SPECIFICATIONS, PRICING
& AVAILABILITY**

Masonry Flashing

C-Fab™ Flashing

C-Fab Flashing is a sheet of soft-tempered copper that is permanently coated and bonded between two layers of asphalt-saturated glass fabric. The asphalt-saturated glass fabric adds protection to the copper during shipment, and also adds another layer of waterproofing and chemical resistance. The coarse texture aids in the bonding with mortar.



C-Fab Flashing is light, flexible and rigid enough to maintain its shape when formed by hand on the job.



- Copper sheet used in the fabrication of copper laminates conforms to ASTM B 370 (110 Alloy)
- Available in 3, 5 or 7 oz. weight
- 25' long rolls in widths 12", 16", 18", 20", 24", 32" or 36"

Item #	Code	Description	Weight	Stock*
CF30Z-12X25	HB	12" x 25' Copper Fabric Flashing	3 oz.	Y
CF30Z-18X25	HB	18" x 25' Copper Fabric Flashing	3 oz.	Y
CF50Z-18X25	HB	18" x 25' Copper Fabric Flashing	5 oz.	Y
CF50Z-24X25	HB	24" x 25' Copper Fabric Flashing	5 oz.	Y

C-Coat™ Flashing

The flexibility and toughness of copper are combined with the superior waterproofing of an elastic, asphalt compound coating. The sheet copper is shielded from acids, alkalis and electrolytes that may be present in uncured mortar. The asphalt coating is self-sealing in case of puncture.



- 25' long rolls in widths of 12", 16", 18", 24" or 36"
- Nonstandard sizes and configurations are available

Item #	Code	Description	Stock*
—	HB	C-Coat Copper Thru-Wall Flashing	A

C-Kraft™ Flashing

The superior qualities of copper are combined with a tough sheet of heavy creped kraft paper asphalt bonded to protect the copper during installation.



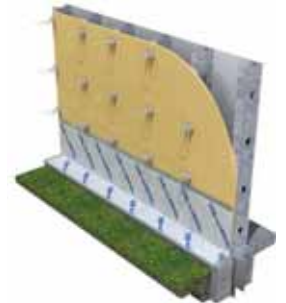
Item #	Code	Description	Stock*
—	HB	C-Kraft Flashing	A

Asphalt Mastic

for Asphalt Coated Copper Flashing
Asphalt Mastic is a high grade, asphalt based cement used to bond asphalt-coated flashing to construction surfaces. It provides a strong, flexible waterproof barrier with excellent adhesion. Asphalt Mastic allows for expansion or contraction caused by temperature fluctuations or building movement.



Item #	Code	Description	Stock*
—	HB	Asphalt Mastic - 5 gallon pail	A



TeXtroflash™ Flashing

Thru-wall and Surface-mounted Flashing

TeXtroflash Flashing is a 40 mil thick composite membrane with a proprietary adhesive. This adhesive is factory-laminated to rugged polyethylene sheeting, yielding a flexible membrane that is suitable for application to masonry, concrete, steel, gypsum and wood.

- Made with 45% recycled material
- Adhesive-backed with removable release paper
- Will not drool when exposed to UV or heat; UV-resistant for up to 90 days
- Provides dual-layered waterproofing protection
- Resists tearing and slicing
- Corners easily formed on site—just press at overlap
- Available in 12", 16", 18", 20", 24", 32", 36" wide x 75' long rolls (other widths available)

Item #	Code	Description	Stock*
TEXTROFLASH-18	HB	18" x 75' roll	Y
TEXTROFLASH-24	HB	24" x 75' roll	Y

C-Kraft™ Duplex Flashing

C-Kraft Duplex uses the same sheet copper as C-Fab™ Flashing, but the end product is lighter weight and slightly less expensive, due to the use of kraft paper in lieu of glass fabric. The kraft paper is also asphalt-bonded to the copper on both sides.



- 25' long rolls
- Widths available: 12", 16", 18", 20", 24" and 36"
- Nonstandard sizes and configurations are available

Item #	Code	Description	Stock*
—	HB	C-Kraft Duplex Flashing	A

Flashing Primer

Primer-SA is a water based, modified polymer primer that can be used in a variety of self adhering flashing applications. Primer SA can be applied by brush, squeegee or spray equipment and should yield coverage of approximately 75 square feet per gallon depending on porosity of the substrate.



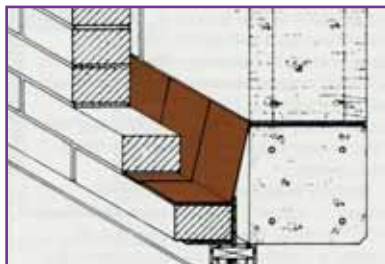
Item #	Code	Description	Stock*
—	HB	Flashing Primer - 5 gallon pail	A

*Y = stock item; A = readily available by order

Masonry Flashing



Three-Way Interlocking Thru-Wall Flashing



Keystone's Three-Way Thru-Wall Flashing mechanically bonds in the masonry joint in all directions. Three-Way Thru-Wall Flashing is a preformed metal flashing designed to provide permanent moisture protection in masonry structures. Use at floor levels, beneath sills, over lintels, continuous at-spandrel beams, beneath copings and elsewhere as required.

Three-Way Thru-Wall Flashing is a "3-Way" bond interlocking type with 3/16" high undercut sawtooth ribs at 3" intervals to provide a three-way mechanical bond in the mortar bed and ensure rapid drainage of moisture to the exterior. Interlocking feature provides for watertight joints without the use of sealant or solder, except at corners and special conditions.

Gauges Available

Aluminum:	.025", .032"
302/304 Stainless Steel:	.015", .018"
Copper:	12 oz., 16 oz., 20 oz.
Lead Coated Copper:	12 oz., 16 oz., 20 oz.
Terne Coated Stainless Steel:	.015", .018"
Galvanized Steel:	26 gauge

Item #	Code	Description	Stock*
—	KEY	Three-Way Thru-Wall Flashing	A



High-Performance Flashing Membrane

Hyload flashing membranes provide a tough, watertight sheet. When combined with Hyload Cloaks, the system provides an excellent barrier to water entry in masonry wall construction. It is typically used in built-in flashing applications with masonry, concrete, gypsum, wood or metal backup walls.



Hyload flashing membranes are 40 mil polymeric, reinforced and incorporate DuPont's Elvaloy® KEE polymer. The membranes are sealant compatible with urethanes and silicones and are UV and ozone resistant. Membranes are manufactured in standard widths of 12", 18", 24" and 36" and in four colors of Gray, White, Tan/Buf, Black.

Three Types of Membranes Available

- Flashing Membrane can be used when the flashing system will be built in to the backup wall
- Surface Adhered Flashing Membrane is typically specified on projects in conjunction with exposed metal DRIP edge
- Surface Adhered Flashing with DRIP Membrane can be used in all flashing applications and is designed for use with soft joints at relief angles or where sealants will come in contact with the DRIP edge area of the membrane

Item #	Code	Description	Stock*
—	HYL	High-Performance Flashing Membrane	A

Masonry Cleaners



Sure Klean® 600 Detergent

A general purpose, concentrated acidic cleaner for brick, tile and concrete. Dissolves mortar smears, cementitious grout and construction dirt quickly, leaving masonry clean and uniform, with no acid burning or streaking.



Sure Klean® 101 Lime Solvent

Concentrated acidic cleaner for dark-colored brick and tile surfaces that are not subject to metallic oxidation. Can be used on colored mortar joints. Safely removes excess mortar and construction dirt.

Sure Klean® Vana Trol®

Specifically formulated for final clean down of new masonry surfaces that are subject to vanadium, manganese and other metallic stains common to white and most light-colored brick and some cast stone. Designed to simplify rinsing and reduce potential for efflorescence.

Sure Klean® Light Duty Restoration Cleaner

Safely removes light to moderate atmospheric and oxidation staining from dense masonry surfaces. Removes difficult calcium (concrete) stains, white scum and other staining from most window glass.



This highly efficient, gelled cleaner is a colorless blend of cleaning agents, detergents and inhibitors. Compared to conventional acidic restoration cleaners, the corrosive characteristics of Light Duty Restoration Cleaner have been dramatically reduced to minimize the potential for damage to unprotected nonmasonry surfaces.

Sure Klean® Heavy Duty Restoration Cleaner

Concentrated acidic cleaning compound for the removal of heavy atmospheric staining from unpolished masonry. Used properly, Heavy Duty Restoration Cleaner dissolves heavy carbon and many other stains found on masonry buildings in highly polluted areas. Cleans brick, granite, sandstone, slate, terra cotta, and many other masonry surfaces.

Item #	Code	Description	Stock*
600-1	SUR	600 Detergent - 1 gallon	Y
600-5	SUR	600 Detergent - 5 gallon	Y
600-55	SUR	600 Detergent - 55 gallon	Y
HDR-5	SUR	Heavy Duty Restoration Cleaner - 5 gallon	Y
LDRC-5	SUR	Light Duty Restoration Cleaner - 5 gallon	Y
VANATROL-1	SUR	Vana Trol - 1 gallon	Y
VANATROL-5	SUR	Vana Trol - 5 gallon	Y
VANATROL-55	SUR	Vana Trol - 55 gallon	Y
—	SUR	101 Lime Solvent	A

*Y = stock item; A = readily available by order

Masonry Cleaners



NMD 80

Powerful detergent-based solution designed for safe and effective removal of efflorescence and mortar smears from masonry surfaces. Can be used on all masonry substrates including brick, stone, synthetic stone, pre-cast concrete, designer or colored block. Added buffering ingredients allow NMD 80 to be powerful, yet safe enough, for cleaning glass and anodized aluminum.

Ef-Fortless

Soap solution melts away powdery efflorescence and haze from clean-up efflorescence and helps to control its return. Mildly acidic and perfect for use on color sensitive surfaces; will not discolor brick, block or mortar. Can be used on slurry-dyed block and similar substrates.

EC Jet

Quick coupling attachment to the end of pressure washers. Designed to dilute material 4-to-1. Primarily used with the application of NMD 80.



Item #	Code	Description	Stock*
EFFORTLESS-1	EAC	Ef-Fortless - 1 gallon	Y
EFFORTLESS-5	EAC	Ef-Fortless - 5 gallon	Y
NMD80-1	EAC	NMD 80 - 1 gallon	Y
NMD80-5	EAC	NMD 80 - 5 gallon	Y
NMD80-55	EAC	NMD 80 - 55 gallon	Y
ECJET	EAC	EC Jet Injector Sprayer	Y

See pages 51-60 for our

MARSHALLTOWN

tool selection



Stop in and check out our selection of masonry tools and accessories!

*Y = stock item; A = readily available by order

Utica 315-724-7119

Watertown 315-788-2612

Syracuse 315-671-4400

Specialty Cleaners

AcryliStrip

Solvent based sealer, stain and paint stripper that has a wide range of applications. Virtually instantaneous in penetrating most deck stains and paints. Effective when removing curing compounds from flatwork concrete, elastomerics, urethanes and acrylics.



Cleansol BC

Versatile, safe cleaner that can handle virtually every job without scrubbing, including molding, siding, decks, gutters, concrete, awnings, vehicles and equipment. Also effective for brushlessly removing oxidized paint from metal siding and removing black streaks from EIFS.

HD Britenol

Use to clean any surface that has staining or discoloration. Safe to use as siding stain remover for the home or deck. Works on wood, vinyl, aluminum, concrete, terra cotta, shingles, glass, brick, block or stone.

OneRestore®

Provides remarkable versatility, cleaning power and safety, all in one product. Capable of removing the deepest stains from virtually any surface, it is also used to safely restore glass and anodized aluminum. OneRestore can remove practically any metal oxide stain (including copper stains) and can be an effective coating remover.

Stripper Cream

Thickened multilayer paint remover with excellent consistency. Can be sprayed or rolled on with equal ease. When applied to paint, this alkaline product is very slow to dry out and can remain on the surface for days. Removes graffiti from porous masonry surfaces and black crust from limestone and brick.

Item #	Code	Description	Stock*
ACRYLSTRIP-1	EAC	AcryliStrip - 1 gallon	Y
CLEANSOL-1	EAC	BC Cleansol - 1 gallon	Y
HDBRITENOL-1	EAC	HD Britenol - 1 gallon	Y
ONERESTORE-5	EAC	OneRestore - 5 gallon	Y
STRIPPERCREAM-2	EAC	Stripper Cream - 2 gallon	Y



Strip This Too!

Semi-paste paint and varnish remover with a proprietary blend of cutting agents, waxes and thickening agents. The waxes seal in the cutting agents after being applied and allow the product to stay wet for an extended period of time, making it possible to remove multiple coats of paint or varnish with one application.

Strip This Too! removes latex, oil based enamels, epoxy, coal tar epoxy, urethanes, polyurethane, shellac, varnish, lacquers, elastomeric and clear coats from wood, metal, brick, concrete, fiberglass, glass and more.

- Excellent for removing graffiti
- Clings to horizontal and vertical surfaces
- Contains no methylene chloride, acids or caustics

Item #	Code	Description	Stock*
EF18563.78L/1 GAL	MGK	Strip This Too! Semi-paste - 1 gallon	Y
EF185618.9L/5 GAL	MGK	Strip This Too! Semi-paste - 5 gallon	Y

Insulation

STYROFOAM™ Scoreboard Extruded Polystyrene Foam Insulation

STYROFOAM Scoreboard Insulation is an extruded polystyrene foam insulation board that is scored longitudinally on 16" and 24" centers, making it easy to size to commonly used widths. STYROFOAM Scoreboard Insulation has excellent insulating characteristics, high resistance to water and water vapor, exceptional compressive strength and long-term durability. STYROFOAM Scoreboard Insulation is designed for use in exterior cavity wall and foundation applications. STYROFOAM Brand Scoreboard Insulation resists moisture to deliver a stable R-value over the long term.

Physical Properties

Property and Test Method	Value
Thermal Resistance per inch, ASTM C518 @ 75°F mean temperature, ft ² •h•°F/Btu, min., R-value ¹ , min.	5.0
Compressive Strength ² , ASTM D1621, psi, min.	25
Water Absorption, ASTM C272, % by volume, max.	0.3
Water Vapor Permeance ³ , ASTM E96, perm, max.	1.5
Maximum Use Temperature, °F	165
Coefficient of Linear Thermal Expansion, ASTM D696, in/in•°F	3.5 x 10 ⁻⁵
Flexural Strength, ASTM C203, psi, min.	50
Dimensional Stability, ASTM D2126, % linear change, max.	2.0
Surface Burning Characteristics, ASTM E84, Flame Spread ⁴	15
Surface Burning Characteristics, ASTM E84, Smoke Developed	165

¹R means resistance to heat flow. The higher the R-value, the greater the insulating power.

²Vertical compressive strength is measured at 10 percent deformation or at yield, whichever occurs first. Since STYROFOAM Brand Scoreboard Extruded Polystyrene Foam Insulations are visco-elastic materials, adequate design safety factors should be used to prevent long-term creep and fatigue deformation.

³Based on 1" thickness.

⁴This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

DOW CORNING



Sizes, R-Values and Edge Treatments

Item #	Code	Nominal Board Thickness ¹ (in.)	R-Value ²	Board Size (ft.)	Edge Treatment	Stock*
—	DOW	.75	3.8	4 x 8	Square	A
DOW-1SBBE	DOW	1.0	5.0	4 x 8	Square	Y
DOW-112SBBE	DOW	1.5	7.5	4 x 8	Square	Y
DOW-2SBBE	DOW	2.0	10.0	4 x 8	Square	Y
—	DOW	2.5	12.5	4 x 8	Square	A
DOW-3SBBE	DOW	3.0	15.0	4 x 8	Square	Y

¹Not all products available in all regions. Contact a McQuade & Bannigan sales representative for sizes and lead-time requirements.

²Aged R-value at 1" cured foam @ 75°F mean temperature. R-value expressed in ft²•h•°F/Btu. R-value determined by ASTM C518 using the aging process in ASTM C1289 (90 days @ 140°F).

STYROFOAM™ HIGHLOAD 40 Extruded Polystyrene Foam Insulation

STYROFOAM HIGHLOAD 40 Insulation is a closed-cell foam insulation with a long-term compressive strength of 40 psi. STYROFOAM HIGHLOAD 40 Insulation features exceptional moisture resistance, R-value retention, resistance to compressive creep and fatigue. STYROFOAM HIGHLOAD 40 Insulation is designed for use in low temperature applications (freezer floor), highways, airport runways, bridge abutments, parking decks, utility lines, ice rinks and plaza decks.

Item #	Code	Size	Stock*
HI40BE-2	DOW	2" x 4' x 8'	Y
Property and Test Method			Value
Thermal Resistance per inch, ASTM C518 @ 75°F mean temperature, ft ² •h•°F/Btu, min., R-value ¹ , min.			5.0
Compressive Strength ¹ , ASTM D1621, psi, min.			40
Water Absorption, ASTM C272, % by volume, max. (24 hr. water immersion)			0.3
Water Vapor Permeance ² , ASTM E96, perm, max.			1.0
Maximum Use Temperature, °F			165
Coefficient of Linear Thermal Expansion, ASTM D696, in/in•°F			3.5 x 10 ⁻⁵
Flexural Strength, ASTM C203, psi, min.			60
Complies with ASTM C578, type			VI

¹Vertical compressive strength is measured at 5 percent deformation or at yield, whichever occurs first. Since STYROFOAM insulations are visco-elastic materials, adequate design safety factors should be used to prevent long-term creep. For static loads, 3:1 is suggested. For dynamic loads, contact a McQuade & Bannigan sales representative for safety factor recommendation.

²Water vapor permeance varies with product type and thickness. Values are based on the desiccant method and they apply to insulation 1" or greater in thickness.

What you should know about R-Values...

R means resistance to heat flow. The higher the R-Value, the greater the insulating power. To get the marked R-Value, it is essential that insulation be installed properly.

Compare insulation R-Values before you buy. Other factors to consider before buying:

- The amount of insulation you need depends mainly on the climate where you reside.
- Your fuel savings from insulation will depend on the climate, the type and size of your house, the amount of insulation already in your house, your fuel use patterns and family size.
- If you buy too much insulation, it will cost you more than what you will save on fuel.

*Y = stock item; A = readily available by order

Insulation

P2000 Insulation Systems™

The key to the P2000 Insulation System's effectiveness is not its individual components, but how these pieces function together as an engineered system. P2000 Insulation Systems is a high performance insulation system that addresses all three types of heat transfer: conduction, convection and radiation. It is a specially formulated expanded polystyrene (EPS) core with metalized plastic facers.

P2000 Insulation System delivers energy savings and interior comfort in extreme weather conditions. The laminated board with double sealed joints blocks drafts. The dense foam core reduces conductive heat transfer, while the metalized plastic facers minimize air and moisture infiltration and are effective radiant blockers.

P2000 Insulation is lightweight, easy to handle, and simple to install. It will never sag or settle and resists moisture absorption—making it an effective insulator even when wet.

P2000 Insulation makes for healthier homes. It does not support mold growth; it does not “off-gas” harmful chemicals; it does not release harmful airborne particles and it contains no CFCs or HCFCs.

Benefits

- No dew line
- Stops condensation
- Maintains R-value
- Reflects up to 97% radiant heat
- Resists mildew or mold

Applications⁵

- Walls: wood frame, steel frame, concrete block, poured concrete, concrete tilt-up panels
- Ceilings: flat or vaulted; can be applied under trusses or rafters
- Roofing: installs over purlins and roof decks and under steel roofing
- Floors: Under concrete and radiant heat floors and over concrete slabs
- Below Grade: for pipes, utility lines, water and sewer lines, and foundations
- Commercial/Industrial: HVAC ductwork, truck bodies, refrigerated storage, radon barrier, vapor barrier

Easy Installation

- Available with radiant foil facing on both sides (RPR) or radiant foil and radiant white (WPR) on opposite sides
- Available in 4' x 8' sheets pre-taped on the 8' sides ($\frac{3}{8}$ " also available in 4' x 72' rolls)
- 3" aluminum or white tape also available for taping additional seams

The real value of an R-value is in its performance. P2000 is a product that PERFORMS—therein lies its real value to the end user! Ask a McQuade & Bannigan for testimonials and photo images.

Nominal R-Values¹

Board Thickness	P2000	P2000 + Airspace	P2000 Wall Assembly	P2000 Performance Rating ⁴	Fiberglass (6")
3/8"	1.6	4.1	7.3	14.68	
5/8"	2.7	5.2	8.4	18.95	
1"	4.11 ASTM C518 ²	6.8	10.2 ASTM C1363 ³	27.43	R19: ASTM C518 ² R11.5: ASTM C1363 ³
1-1/2"	6.5	9.0	12.3	41.1	
2"	8.6	11.1	14.3	54.86	

¹To get the marked R-value it is essential that the insulation be installed properly. Highlighted R-values obtained from generally accepted tests, as noted. All other R-values based on thermal calculations based on the test results.

²R-value rating based on Insulation Material Test ASTM C518.

³R-value rating based on Installed Insulation Performance Test ASTM C1363.

⁴Comparison test (under extreme conditions) based on a 2005 simulated test. Ask a McQuade & Bannigan representative for the full test report.

⁵It is the buyer's responsibility to ascertain proper use of product and adhere to local code regulation requirements.



Item #	Code	Description	Stock*
RPR38	P20	$\frac{3}{8}$ " x 4' x 8' RPR Sheet	Y
RPR38-RL	P20	$\frac{3}{8}$ " x 4' x 72' RPR Roll	Y
RPR58	P20	$\frac{5}{8}$ " x 4' x 8' RPR Sheet	Y
RPR1	P20	1" x 4' x 8' RPR Sheet	Y
RPR112	P20	1½" x 4' x 8' RPR Sheet	Y
RPR2	P20	2" x 4' x 8' RPR Sheet	Y
WPR38	P20	$\frac{3}{8}$ " x 4' x 8' WPR Sheet	Y
WPR38-RL	P20	$\frac{3}{8}$ " x 4' x 72' WPR Roll	Y
WPR58	P20	$\frac{5}{8}$ " x 4' x 8' WPR Sheet	Y
WPR1	P20	1" x 4' x 8' WPR Sheet	Y
WPR112	P20	1½" x 4' x 8' WPR Sheet	A
WPR2	P20	2" x 4' x 8' WPR Sheet	A
ALUMTAPE	P20	4" x 150' Aluminum Insulation Tape	Y
WHITETAPE	P20	3" x 164' White Insulation Tape	Y
WASHER	P20	1½" Plastic Washers - 100-pack	Y

*Y = stock item; A = readily available by order

Insulation

Two Component Spray Foam Kits for Large Applications

Handi-Foam® Quick Cure Spray Foam Kit

Disposable, multipurpose, two component, polyurethane froth foam

Fomo's disposable foam kits are chemically cured, two component polyurethane foam kits designed to fill large voids and surfaces. Compared to standard insulation products, Fomo's disposable foam kits have higher insulation values, are easy to install, and provide complete air tight coverage. The portability of the foam kits allows for maximum flexibility to fit virtually any application job.

The pre-pressurized, portable two component froth systems are dispensed through the state-of-the-art Handi-Gun® froth dispensing unit, providing unsurpassed quality and flexibility in end-use performance.

Specifications

- Optimum application temperature is 75°F
- Expansion is 4-8 times the dispensed volume
- Tack-free in 60 seconds; cuttable within 2-5 minutes; fully cured within 1 hour
- R-value of 6-7 per inch; density range of 1.75 lb./ft.³
- **E-84 Class 1 spray foam contains flame retardants in order to meet ASTM E-84 testing (Class 1 is a flame resistance rating; the foam is not fire-proof)**

Typical Applications

- Insulate and deaden sound
- Insulate and seal rim and bond joists
- Insulate and seal wall cavities
- Cold storage
- Insulate spas, hot tubs, showers and plumbing fixtures
- Insulate and seal attic floor
- Fill molds and large voids
- Sealing around pipes and duct work



P10700, P10705, P10720, P10726, P10762

Item #	Code	Description	Coverage ¹	Stock*
P10600	FOM	Two Part Handi-Foam	12 bd. ft.	A
P10700	FOM	Two Part Handi-Foam	105 bd. ft.	A
P10705	FOM	Two Part E-84 Class 1 Handi-Foam	105 bd. ft.	Y
P10720	FOM	Two Part Handi-Foam	205 bd. ft.	A
P10726	FOM	Two Part E-84 Class 1 Handi-Foam	205 bd. ft.	Y
P10762	FOM	Two Part E-84 Class 1 Handi-Foam	605 bd. ft.	Y
P22070	FOM	System 17 E-84 Class 1 Handi-Foam Refill	1980 bd. ft.	A

P10600



P10749



Handi-Flow® Pour-in-Place Slow Rise Foam

Disposable, multipurpose, two component, polyurethane froth foam

Handi-Flow foams are chemically cured systems engineered with a slower cure time than Handi-Foam spray foams, allowing the foam to flow throughout the cavity to fill the entire void.

Specifications

- Optimum application temperature is 75-85°F
- Expansion is 3-5 times the dispensed volume
- Tack-free in 60-90 seconds; cuttable within 5-10 minutes; fully cured within 1 hour
- R-value of 5.9 per inch; density of 2.0 lb./ft.³

Typical Applications

- Fill and insulate large voids and blind cavities
- Add structural support, prevent vibrations and deaden sound
- Provide buoyancy (meets the Coast Guard requirements for floatation)



Item #	Code	Description	Coverage	Stock*
P10760	FOM	Two Part Slow Rise Pour-In-Place Handi-Foam	43.7 ft. ³	A

¹Board foot (bd. ft.) is a square foot with 1" thickness (12" x 12" x 1"). Yields are based on theoretical calculations, for comparison purposes, and will vary depending on ambient conditions and particular application.

Handi-Foam® Sound Barrier Polyurethane Foam

Multipurpose, open cell, low density polyurethane froth foam

Handi-Foam Sound Barrier is designed for sound deadening and filling and insulating large surfaces. Sound Barrier achieves a Sound Transmission Coefficient (STC) of 35 at three inches thick. Its high expansion properties easily fills voids, and its quick cure time reduces labor time and costs.

Specifications

- Optimum application temperature is 90°F
- Tack-free in 30-45 seconds; cuttable in 3-5 minutes; cures w/i 1 hour
- R-value of 3.7 ±0.2"; density range of 0.75±0.25 lb./ft.³
- Noise Reduction Coefficient (NRC) of 70

Typical Applications

- Sound deadening in interior walls, office walls, media rooms, play rooms and server rooms



Item #	Code	Description	Coverage ¹	Stock*
P10697	FOM	Two Part Sound Barrier Handi-Foam	250 bd. ft.	A

*Y = stock item; A = readily available by order

Insulation

Two Component Spray Foam Kits for Large Applications

Handi-Foam® SPF Roof Patch Polyurethane Foam

Multipurpose, open cell, low density polyurethane froth foam

Handi-Foam SPF Roof Patch is designed for applications where higher compressive strengths are required. SPF Roof Patch meets commercial roofing codes for compressive strength for polyurethane foam roofs. SPF Roof Patch retains the roof's insulating value and maintains the roof's seamless, monolithic seal, which prevents air and moisture infiltration.



Specifications

- Optimum application temperature is 75°F
- Tack-free in 30-60 seconds; cuttable in 2-5 minutes; cures within 1 hour
- R-value of 6.1/1"; density range of 2.5 lb./ft.³
- ASTM E-84 Class 2 fire rating



Typical Applications

- Repair pin holes, cracks and polyurethane roofs after equipment changes

Item #	Code	Description	Coverage ¹	Stock*
P10725	FOM	Two Part SPF Roof Patch Handi-Foam	145 bd. ft.	A

Silent Seal® Mine Ventilation Air Sealant

Low pressure, polyurethane froth foam

Silent Seal mine ventilation sealant expands and seals in seconds to quickly and efficiently seal, insulate, fill, coat and sound dampen many areas above ground and underground. Created exclusively for mining, this product adheres to coal, steel, concrete, wood and most other substrates.



Specifications

- Optimum application temperature is 75-85°F
- Tack-free in 10-25 seconds; cuttable in 2-5 minutes; cures w/i 1 hour
- ASTM E162 fire rating

Typical Applications

- Fill small gaps and cavities

Item #	Code	Description	Coverage ¹	Stock*
P10737	FOM	Two Part Silent Seal NA Handi-Foam	180 bd. ft.	A

Handi-Foam® Ignition Barrier

Intumescent latex coating

Handi-Foam Ignition Barrier has been tested with Handi-Foam E-84 Class 1 Spray Polyurethane Foam to meet ignition barrier requirements as identified in the AC 377 Appendix X and building code requirements for exposed foam in attics and crawlspaces. Handi-Foam Ignition Barrier acts as a shield protecting the substrate from exposure or propagation of flame by surrounding the spray foam with a protective char-barrier.



Item #	Code	Description	Stock*
M10000	FOM	Handi-Foam Ignition Barrier - 5 gallon pail	A

One Component Spray Foam

Handi-Foam® Foam Sealant & Black Foam Sealant

Multipurpose, UL classified, one component, polyurethane foam

Handi-Foam Sealants cure when ambient moisture/humidity in the air reacts with the foam sealant creating a rigid, closed cell barrier against draft, noise, moisture and air infiltration. Handi-Foam Sealants meet ASTM E84 Class 1 for caulk and sealants.



Specifications

- Tack-free in ≈5 minutes; cuttable within 1 hour; cures within 12-24 hours
- R-value of 4-5 per inch; density range of 1.1 lb./ft.³

Typical Applications

- Bead application for filling small cracks and crevices on flat or irregular surfaces
- Fill and seal around gaps, beneath base plates, mud sills, corner joints, t-joints, exterior cracks, utility panels, pipes and penetrations
- Black Foam Sealant is specially formulated with black color, making it ideally suited for areas where product appearance may be a factor, such as landscaping and water feature design and R.V. under-carriages



Item #	Code	Description	Theoretical Yield Ft. @ 3/8"	Stock*
P30002	FOM	12 oz. Straw Handi-Foam	887	Y
P30290	FOM	29 oz. Gun Handi-Foam	2361	Y
P30295	FOM	29 oz. Black Gun Handi-Foam	2361	Y

Handi-Foam® Extreme Polyurethane Foam

Multipurpose, UL classified, one component, polyurethane foam adhesive

Handi-Foam Extreme is formulated specifically for use in extreme temperatures and low humidity conditions. It is ideal for the contractor working in cold winter climates or dry desert heat.



Specifications

- Optimum application temperature is between 65-80°F, but foam will cure in temperatures below 0°F
- Tack-free in 5-10 minutes; cuttable within 1 hour; cures within 12-24 hours
- R-value of 4-5 per inch; density range of 1.2 lb./ft.³

Typical Applications

- Fill and seal joints and fill in wall gaps and cavities

Item #	Code	Description	Theoretical Yield Ft. @ 3/8"	Stock*
P30120	FOM	24 oz. Extreme Gun Handi-Foam	1856	A



For more product information, download MSDSs and TDSs at www.fomo.com.

*Y = stock item; A = readily available by order

Insulation

One Component Spray Foam

Handi-Seal® Window & Door Foam Sealant

Multipurpose, UL classified, one component, polyurethane foam Handi-Seal is a patented closed cell, low pressure window and door foam. It has an extremely low pressure build while curing, which greatly reduces the chance of bowing or distorting windows or doors. Handi-Seal's Dry Seal Technology™ prevents moisture and mold problems by repelling water.



Specifications

- Expands at 1/2 the pressure to eliminate bowing of window and door frame
- Bead growth of 200-300% during first hour of cure
- Tack-free in ≈5 minutes; cuttable within 1 hour; cures within 12-24 hours
- R-value of 4-5 per inch; density range of 1.44 lb./ft.³
- Gray colored foam for easy identification; complies w/AAMA document 812-04

Typical Applications

- Bead application for filling small holes, gaps and cracks
- Fill gaps and around utility panels, pipes and duct penetrations
- Seal around window and door frame joints, beneath base plates, mud sills, top plate penetrations, corner joints, and T-joints



Item #	Code	Description	Theoretical Yield Ft. @ 3/8"	Stock*
P10131	FOM	24 oz. Window & Door Gun Handi-Foam	1,290	Y
P10141	FOM	24 oz. Window & Door Straw Handi-Foam	950	Y

Handi-Stick® Polystyrene Construction Foam Adhesive



Multipurpose, UL classified, one component, polyurethane foam adhesive

Handi-Stick Foam Adhesive is suited for many construction adhesive applications where a faster cure and shorter open time are desired. It contains no VOCs or solvents to harm polystyrene board and may also be used as a void filler and gap sealant.

Specifications

- Rated "open time" of 3 minutes
- Tack-free in ≈5 minutes; cuttable within 1 hour; cures within 12-24 hours
- R-value of 4-5 per inch; density range of 1.2 lb./ft.³

Typical Applications

- Use with ICFs, foam shapes and foam boards
- Adheres to almost all building materials with the exception of surfaces such as polyethylene, Teflon®, silicone, oils and greases, and mold release agents



Item #	Code	Description	Theoretical Yield Ft. @ 3/8"	Stock*
P30132	FOM	24 oz. Polystyrene Construction Gun Handi-Foam	2,126	Y

*Y = stock item; A = readily available by order



Handi-Foam® Fireblock Foam Sealant

Multipurpose, UL classified, one component, polyurethane foam Fireblock is used to block the passage of flame and smoke in concealed penetrations from room to room and from floor to floor in Type V residential construction (International Residential Code, Section R602.8). It is not to be used as a fireblock in commercial construction.



Specifications

- Expansion is up to 3 times the dispensed volume
- Tack-free in ≈5 minutes; cuttable within 1 hour; cures within 12-24 hours
- R-value of 4-5 per inch; density range of 1.1 lb./ft.³
- Orange colored foam for easy identification
- Meets ASTM E-84 Class 1 specifications for caulks and sealants

Typical Applications

- Bead application for filling small holes, gaps and cracks
- Fill gaps and around pipes and behind electrical outlets
- Seal cracks at wall and floor joints
- Seal around HVAC units and duct work
- Fix small holes and other damage
- Block inset and rodent pathways
- Seal wire and plumbing penetrations



Item #	Code	Description	Theoretical Yield Ft. @ 3/8"	Stock*
P30181	FOM	24 oz. Fireblock Gun Handi-Foam	1957	Y
P30192	FOM	24 oz. Fireblock Straw Handi-Foam	1774	Y

Fomo Accessories



Item #	Code	Description	Stock*
F61050	FOM	HT300 Handi-Tool Dispensing Gun	Y
F66170	FOM	Cone Nozzle for Foam Gun	Y
F66190	FOM	Fan Spray Nozzle for Foam Gun	Y
F66220	FOM	10" Handi-Gun Hose Assembly	Y
P10083	FOM	12 oz. Handi-Cleaner - spray solvent dissolves uncured foam; attaches to FOMO dispensing units for flushing	Y

Insulation



Under-Slab Insulation & Vapor Barrier Blanket

Insul-Tarp is an under-slab insulation/vapor barrier designed to provide a thermal break and moisture barrier between the slab and grade. When used with radiant heated slab applications, Insul-Tarp will increase the performance of the system by redirecting heat back into the slab.



Insul-Tarp's patented, lightweight design integrates closed cell foam and an aluminum reflective material with a protective poly coating, all within three, thin layers. The durable poly coating protects the insulation material from potentially damaging surfaces and is impermeable to moisture, allowing for a consistent thermal break beneath the slab. The superior physical characteristics and overall design of Insul-Tarp make it the ideal product for insulating under concrete slabs in residential, commercial and agricultural radiant heating systems.

Insul-Tarp can also reduce condensation, mold and degradation by controlling water vapor migration, and it is also an effective radon barrier.

Insul-Tarp R-Value

Material R-Value of Insul-Tarp (3/4" material only) at a 75° mean temperature regulated by Federal Guidelines 16 CFR 460.5:

Mean Temperature.....75°F
Average Thermal Resistance (R).....5.9 hr-ft²-°F/Btu
as per ASTM C 518-04

The System R-Value was tested in a concrete slab configuration consisting of a 4" concrete slab, 3/4" Insul-Tarp insulation (1/2" compressed), 2" gravel and 1" sand. The total slab configuration was approximately 8". The System R-Value at a 75° mean temperature:

Mean Temperature.....75°F
Average Thermal Resistance (R).....6.8 hr-ft²-°F/Btu
as per ASTM C 518-02

Item #	Code	Nominal Size ¹	Stock*
INSULTARP-S	POL	1/2" x 5.5' x 48' Roll	Y
INSULTARP-L	POL	1/2" x 11' x 48' Roll	Y

¹Roll sizes and actual coverage are approximate.

*Y = stock item; A = readily available by order

Grouting Materials & Equipment



ST-522 Veri-Kleen Grout Cleaner

Stratathane ST-522 Veri-Kleen Grout Cleaner dissolves cured and solidified urethane injection resin and helps remove it from pumps, hoses, and other wetted parts of the grouting system. Major parts are usually cleaned by flushing and smaller parts are soaked. Complete cleanup is accomplished with a solvent and a cleaner used in sequence. The solvent removes liquid resin but will not remove solidified product, which is handled by the cleaner.

For solidified resins, ST-522 Grout Cleaner is the most effective and preferred cleaner. The Stratathane ST-522 Veri-Kleen Grout Cleaner is not used on liquid resin because it may have absorbed enough moisture from the air to catalyze liquid resin within the system being cleaned.

The solvents used to remove liquid resin vary depending on the material being cleaned. ST-590 Poly-Flush is the preferred cleaning agent because it contains no VOCs (volatile organic compounds) and is safer to use than a solvent. Often, Acetone or Methyl Ethyl Ketone (MEK) will be used, but others may also be more or less effective. Read the specific resin technical information to find a preferred solvent.

ST-522 Grout Cleaner is intended for use by qualified personnel only. The product is flammable and poisonous and cannot be made non-poisonous. Read the MSDS prior to use.

ST-590 Kleen-Purge Flushing Agent

Stratathane ST-590 Kleen-Purge Flushing Agent (KPFA) is a 100% organic blend of selected high boiling point petroleum distillates for use in cleaning, flushing, and purging urethane resins and grouting compounds from pumps, hoses, and system components.

Stratathane ST-590 Kleen-Purge Flushing Agent is a safe solvent system which is quick and easy to use. ST-590 KPFA has a long list of benefits in use including:

- No chloro-floro-carbon content
- Ozone safe
- Environmentally safe
- No high-toxicity chemical content
- Excellent biodegradability
- Excellent recyclability
- Excellent resin and isocyanate solvency
- Easy clean-up with little residue
- Ready to use as received

ST-590 Kleen-Purge Flushing Agent comes ready to use in five-gallon pails or 55-gallon drums. ST-590 is highly effective and much safer to use than conventional solvents, but is not as strong a solvent as acetone, methyl ethyl ketone, methylene chloride, or the like. Because of this, some extra care in cleaning procedures may be required, along with periodic use of ST-522 Veri-Kleen Grout Cleaner in a preventive maintenance program.

Item #	Code	Description	Stock*
ST-504	ST	Vari-Lok Injection Resin	A
ST-524	ST	Poly-Foam Injection Resin	A
ST-526	ST	Poly-Foam Ultra Injection Resin	A
ST-522	ST	Veri-Clean Grout Cleaner	A
ST-590	ST	Kleen-Purge Flushing Agent	A
QC6-RSV	ST	Hammer Blow Injector	A
QC8-HP	ST	Compressed Rubber Injector	A

Grouting Materials & Equipment

Urethane Sealing Grouts for Water Control & Soil Stabilization

ST-504 Vari-Lok Injection Resin

Stratathane ST-504 Vari-Lok Injection Resin is a solvent-free, MDI-based water control and soil stabilization system. ST-504 is hydrophilic; it reacts with water to form either a flexible gel or an elastomeric foam depending on the amount of reaction water added to the mix. The inert end product of the reaction with water then forms an effective water barrier. A minimum of water (around 3% by volume) is needed for a reaction to occur, but much larger amounts can be accommodated through reaction or displacement. The water required for the reaction is usually added by the applicator during injection but may sometimes be acquired by the resin from its injection environment.

A three stage reaction takes place when ST-504 mixes with water and foams. The mixture first thickens and becomes creamy. Then, carbon dioxide gas evolves rapidly and the mixture expands as it cures. The expanded ST-504 volume then sets into a strong impermeable water barrier. Unrestrained ST-504 foam may expand up to 10 times its starting volume depending upon the amount of reaction water and the degree of confinement applied to the expanding mass.

ST-504 contains no measurable amount of TDI as performed by the Modified Analysis for Diisocyanates. ST-504 is nonflammable, noncarcinogenic, and noncorrosive as defined by 40 CFR and as described in the NIOSH Pocket Guide for Hazardous Materials.

ST-504 has NSF 61 approval for potable water contact and carries the Underwriters Laboratories UL seal.

Stratathane ST-504 is useful for a wide range of water control and soil stabilization applications, including grout curtains, stabilizing water-bearing soils, and sealing cracks or joints in concrete walls, buildings, dams and utility vaults. An ST-504 seal will tolerate freeze-thaw, wet-dry cycling, extrusion, and compression to a substantial degree.

**END STATE: Flexible Gel or Flexible Foam;
Elastomeric, Hydrophilic, Expanding**

ST-526 Poly-Foam Ultra Injection Resin

Stratathane ST-526 Poly-Foam Ultra is a hydrophilic, single component, 100% solids, flexible polyurethane resin based on MDI for sealing leaks in concrete and masonry structures. ST-526 Poly-Foam Ultra reacts with water, expands, and then sets into a flexible closed-cell foam. ST-526 is mixed with water at the work site to form a single injection material. ST-526 is odor-free and contains no volatile organic compounds (VOCs). ST-526 is essentially non-toxic in its cured form.

ST-526 is injected directly from the can into the leak using either a single or a plural component pump. When ST-526 reacts with water, its elastic seal stops water entry but allows crack movement to protect against stress transfer. The cured material exhibits excellent adhesion to concrete and is not corrosive. At 70°F, reaction time is approximately 30 seconds and cure time about two minutes. It has no preset "pot life" and does not cure as long as water or moisture vapor are not available to start the cure cycle.

A two stage reaction takes place when ST-526 comes in contact with water. The mixture first expands and thickens. Then, as it cures, ST-526 quickly solidifies into a strong impermeable water barrier in just minutes. Unrestrained ST-526 foam expands up to 10 times its starting volume. However, a dense material is preferred for most applications. Greater density is obtained by controlling grout placed relative to void space and static head pressure. ST-526 tolerates freeze-thaw, wet-dry cycling, extrusion, and compression.

Stratathane ST-526 contains no measurable amount of TDI as performed by the Modified Analysis for Diisocyanates. ST-526 is non-flammable, non-carcinogenic, and non-corrosive as defined by 40 CFR and as described in the NIOSH Pocket Guide for Hazardous Materials.

END STATE: Flexible Foam; Elastomeric, Hydrophilic, Expanding



ST-524 Poly-Foam Injection Resin

Stratathane ST-524 Poly-Foam Active is a hydrophobic, two component, flexible polyurethane resin based on MDI. ST-524 Poly-Foam is highly sensitive to water and reacts with very small amounts to set into a flexible closed-cell foam. ST-524 is mixed with ST-525 accelerator at the work site to form a single injection material whose reaction time with water is governed by temperature and by the concentration of ST-525 in the blend.

Stratathane ST-524 contains no measurable amount of TDI as performed by the Modified Analysis for Diisocyanates. ST-524 is non-flammable, non-carcinogenic, and non-corrosive as defined by 40 CFR and as described in the NIOSH Pocket Guide for Hazardous Materials. ST-524 is essentially nontoxic in its cured form.

ST-524 has NSF 61 approval for potable water contact and carries the Underwriters Laboratories UL seal.

ST-524 is injected directly from the can into the leak using either a single or a plural component high pressure pump. When 20 parts of ST-524 react with one part of water, a two stage reaction takes place. The resulting mixture first expands and then quickly fills the leak path with an elastic seal that stops water entry but allows crack movement to protect against stress transfer. ST-524 has no preset "pot life" and does not cure as long as water or moisture vapor are not available to start the cure cycle.

When ST-524 comes in contact with water, the mixture first expands and then quickly thickens. As it cures, ST-524 solidifies into a strong impermeable water barrier in just minutes. Unrestrained ST-524 foam expands up to 10 times its starting volume. However, a dense material is preferred for most applications, so greater density is obtained by controlling grout placed relative to the available void space and static head pressure.

END STATE: Flexible Foam; Elastomeric, Hydrophilic, Expanding

QC8-HP Hammer Blow Injector



The QC8-HP hammer blow injector (also known as hammer blow port or hammer blow packer) locks within the drill hole by compression and friction after being pounded into place. The hammer blow design uses the smallest drill holes and is the least expensive of all injector types but is not effective in "punky" concrete or surfaces that have been weakened by chemical attack.

- Plastic stem with standard zerc-style inlet
- Overall length: 2.25"
- Drill hole: 3/8" diameter

QC6-RSV Compressed Rubber Injector



The QC6-RSV compressed rubber injector (also known as compressed rubber port or compressed rubber packer) locks within the drill hole by mechanically compressing a rubber cylinder around a hollow threaded shaft. The QC6-RS injector is effective in "punky" concrete, in layered surfaces like Gunitite and Shotcrete, or surfaces that have been weakened by chemical attack.

- Disposable Mizer QC Injector
- Compact brass body and standard zerc-style inlet fitting with enlarged passage
- Overall length: 2.5"; Element length: 1.25"
- Drill hole: 0.675" diameter

Grouting Materials & Equipment



Water Reactive Polyurethane Grouts

DeNeef water reactive polyurethane grouts are injectable resin grouts used to stop running water through cracks and joints in concrete and masonry structures. These grouts begin curing upon contact with water. Hydrophobic grouts require a very modest amount of water to activate and hydrophilic grouts need to be exposed to water to stay swelled.

Cut P_{UR}e Hydrophobic Grout

Designed to cut-off gushing water by filling large voids in rock fissures, gravel layers, joints and cracks in concrete structures. Upon contact with water, Cut P_{UR}e Grout cures to a rigid, closed-cell polyurethane foam that is resistant to most organic solvents, mild acids, alkali, petroleum and microorganisms. Cut P_{UR}e can be mixed with Cut Cat P_{UR}e Accelerator to accelerate cure time.

Soil P_{UR}e Hydrophobic Grout

Designed to increase the bearing capacity of permeable soil. Upon contact with water, Cut P_{UR}e Grout cures to a very dense open-cell foam that is essentially unaffected by corrosive environments and microorganisms. Soil P_{UR}e can be mixed with Soil Cat P_{UR}e Accelerator to accelerate cure time.

Flex LV P_{UR}e Hydrophobic Grout

Designed to form a flexible gasket or plug in joints and cracks in concrete. Upon contact with water, Cut Flex LV P_{UR}e Grout cures to a tough, flexible closed-cell foam that is essentially unaffected by corrosive environments. Flex LV P_{UR}e can be mixed with Flex Cat P_{UR}e Accelerator to accelerate cure time.

Sealfoam P_{UR}e Hydrophilic Grout

Designed to form a flexible gasket or plug in joints and cracks in concrete. Upon contact with water, Cut Flex LV P_{UR}e Grout cures to a tough, flexible, adhesive closed-cell foam that is essentially unaffected by mildly corrosive environments.

Hydrophilic Waterstop

Hydrophilic waterstops expand upon contact with water to fill a void or joint and create a compressible seal waterstop. Hydrophilic waterstops can be placed in any joint or interface in old to new concrete, concrete to steel joints, precast concrete members, and steel to steel interfaces.

SWELLSEAL® WA

Gunnable mastic ideal for rough, irregular surfaces.

- 200% expansion in water
- Adjustable bead size and shape
- Withstands head pressures in excess of 330 feet
- Elongation greater than 600%
- Good chemical resistance

Call your McQuade & Bannigan sales representative for more information and pricing.

Firestopping Products

BIOSTOP™ 500+

Water based, flexible, highly intumescent firestop sealant designed for use on metal and on insulated and plastic pipes. BIOSTOP 500+ may be used for the top of wall construction joints, power and telephone cables, cable trays and bus ducts.

- UL Classified systems up to 3 hours
- Meets ASTM E 814, UL 1479 and UL 2079 standards and meets cycling requirement of ASTM E 1399 (500 cycles)
- Remains flexible
- Nonsagging, nontoxic, no VOCs
- Economical
- Will not re-emulsify
- Available in cartridges and pails



Item #	Code	Description	Stock*
500+-100Z	BIO	BIOSTOP 500+ - 10 oz. cartridge	Y
500+-5	BIO	BIOSTOP 500+ - 5 gallon pail	Y

BIO THERM® 100/200SL

Silicone based, highly elastic line of firestop sealants that bond to concrete, steel and most common through-penetration materials. BIO THERM 100 is gun grade and BIO THERM 200SL is self-leveling.



- UL Classified systems up to 3 hours with ¼" thickness
- Meets ASTM E 814 and UL 1479 standards
- Single component silicone. & tested with zero clearance
- BIO THERM 100 is available in cartridges and pails
- BIO THERM 200SL is available in 5-gallon pails only

Item #	Code	Description	Stock*
100-100Z	BIO	BIO THERM 100 - 10 oz. cartridge	Y
—	BIO	BIO THERM 200SL	A

BIOSTOP™ 750 Mastic

Water-based sealant that comes in three different grades (spray mastic, self-leveling, caulk grade) and two colors (red, white). Ideal for use in construction joints such as top of the wall, curtain wall perimeter, expansion, control, etc., and for general construction gaps and voids. The mastic spray is designed for spray application and an economical means of installation on long joint runs. The SL (self-leveling) sealant is made for horizontal applications and the caulk grade is a nonsag sealant.



- UL-classified systems up to 2 hours
- Meets UL 2079 standards and meets cycling requirement of ASTM E 1399 (500 cycles)
- Remains flexible and is economical

Item #	Code	Description	Stock*
750-300Z	BIO	BIOSTOP 750 Mastic Caulk - 30 Oz. Cartridge; Red	Y
750-5	BIO	BIOSTOP 750 Mastic Spray - 5 Gallon Pail; Red	Y



*Y = stock item; A = readily available by order

Firestopping Products



BIOSTOP™ Pipe Collars

BIOSTOP fire rated pipe collars are prefabricated for use in through-penetration firestop systems using PVC, CPVC, ABS, Poly Pro, PVC foam core and ABS foam core pipe. UL Classified for both open and closed pipe systems.

- Available in sizes from 1½" to 6"
- 25% reduction of installation time
- Simple locking mechanism for easy installation
- Economical—most systems do not require backfill
- No measurement of material required
- Fits in limited access areas



Item #	Code	Description	Stock*
—	BIO	BIOSTOP Pipe Collar	A

BIOSTOP™ Wrap Strip

BIOSTOP Wrap Strip is a flexible insulation strip of highly intumescent firestop material used primarily for plastic and insulated pipe applications. When exposed to heat, this product expands and forms a hard char to seal off the penetration by preventing the passage of flames and hot gases.

- Easy to apply—simply wrap required number of strips around penetrating item and push into annular space
- Easy dispensing carton and economical 1" width



Item #	Code	Description	Stock*
—	BIO	BIOSTOP Pipe Collar	A

BIOSTOP™ Putty Pads & Putty Sticks

BIOSTOP fire rated intumescent putty sticks are used to seal around penetrating items through fire rated walls and floors, joints and blank openings. Use with electrical cables, conduit and metal pipe. Hand moldable with no curing time required. Will not dry out and can be reused as items are removed or installed.



BIOSTOP fire rated intumescent putty pads are used to maintain the hourly rating of fire rated walls containing electrical outlet boxes and to reduce sound transmission. Only one pad thickness (½") is required for a one or two hour fire rating. Required by building codes in rated partitions where horizontal separation of opposite facing electrical boxes is less than 24".



Item #	Code	Description	Stock*
66495	BIO	BIOSTOP Putty Pad - 18 Cu. In. Tube	Y

BIO K-10™ Mortar

BIO K-10 is a fire rated, non-asbestos, through-penetration firestop mortar that adheres to concrete, masonry, galvanized steel and most common through-penetration materials.

- UL Classified systems up to 3 hours
- Easy to repenetrate
- Meets ASTM E 814 and UL 1479 standards
- Hand packable, no forms required
- No primer required
- Large (30 sq.ft.) openings tested with multiple penetrations
- Amazing handleability and pot life



Item #	Code	Description	Stock*
—	BIO	BIO K-10 Mortar	A

BIO™ Firestop Pillows

BIO Firestop Pillows are intumescent and designed primarily for large openings with cables, cable trays, blank openings or multiple penetrating items.

- UL Classified systems up to 3 hours
- Cost effective - reusable
- Forms a very hard char when burned
- No wire mesh required in most installations
- Available in two sizes



Item #	Code	Description	Stock*
—	BIO	BIO Firestop Pillows	A

ROXUL

Roxul SAFE® Batt Insulation

Roxul SAFE is a lightweight, semi-rigid stone wool batt insulation that provides fire resistance and sound control. Roxul SAFE is designed for commercial, industrial and residential buildings as a fire stopping insulation. Ideal for filling perimeter gaps between concrete floor slabs and exterior wall systems, around conduit pipe and duct openings through walls and floor slabs, and between fire walls and ceiling slabs.

Roxul SAFE is used in conjunction with a fire sealant to prevent passage of fire and smoke.

- Noncombustible stone wool insulation with melting point of approx. 1177°C (2150°F)
- Does not promote smoke or flame spread when exposed to flame
- Minimal shrinkage to maintain critical line of defense against fire
- Low thermal conductivity
- Water and moisture resistant; does not absorb moisture to maintain insulating value
- Does not rot, promote mildew, fungi, or bacteria, or sustain vermin
- Can be faced with reinforced foil facings
- Earns LEED® points

Item #	Code	Description	Stock*
4#WOOL-2	BIO	2' x 4' x 2" Stone Wool Insulation - 64 Sq. Ft. (8 pcs.)	Y
4#WOOL-4	BIO	2' x 4' x 4" Stone Wool Insulation - 32 Sq. Ft. (4 pcs.)	Y

*Y = stock item; A = readily available by order

Sealants, Caulks, Adhesives & Glues



DynaTrol™ II

General Purpose Polyurethane Sealant

Two part, nonsag, elastomeric sealant that creates a tenacious bond and watertight seal between materials of similar and dissimilar surface textures, porosities and expansion coefficients.

- Sealing expansion and control joints in precast panels, tilt-up precast panels and curtain walls, window and door perimeters and bedding panels
- Glazing, acoustical, firestopping and EIFS applications
- 51 standard color packs available

Item #	Code	Description	Stock*
DYNATROLII-1.5GAL	PEC	1.5 gallon pail	Y

Urexpan® NR-200

Self-Leveling, Traffic Grade Polyurethane Sealant

Urexpan NR-200 is a two part, chemically curing, cold applied, self-leveling elastomeric sealant that is very abrasion resistant and highly extensible to withstand long-term abuse and dynamic movement.

- Designed specifically for sealing traffic-bearing expansion joints in parking decks and ramps, driveways, highways, bridge approaches, stadiums and industrial flooring
- Sealing horizontal joints in sidewalks, terraces, pedestrian plazas and malls, patios, swimming pool decks and copings

Item #	Code	Description	Stock*
—	PEC	Urexpan® NR-200 Polyurethane Sealant	A

DynaFlex™

General Purpose Polyurethane Sealant

DynaFlex is a unique two part, nonsag, elastomeric, polyurethane joint sealant with many of the strengths of an epoxy but with the flexibility and ease-of-application properties of a urethane.

- Sealing all interior joints and perimeters of fixtures, penetrations, vents, doors, windows and all other similar openings where a flexible security sealant is required
- Interior window glazing
- Heavy pedestrian traffic expansion and control joints for security and nonsecurity areas

Item #	Code	Description	Stock*
—	PEC	Urexpan® NR-200 Polyurethane Sealant	A

Pecora Color Pack

for use with Pecora 890FTS and DynaTrol™ II

Item #	Code	Description	Stock*
CPP-ALUMSTONE	PEC	Aluminum Stone Color Pack	Y
CPP-ANODALUM	PEC	Anodized Aluminum Color Pack	Y
CPP-BEIGE	PEC	Beige Color Pack	Y
CPP-BRONZE	PEC	Bronze Color Pack	Y
CPP-LIMESTONE	PEC	Limestone Color Pack	Y
CPP-PRECAST	PEC	Precast Color Pack	Y

Pecora 890FTS

Field Tintable, Nonstaining, Silicone Sealant – Smooth

Neutral curing, silicone sealant will not stain natural stone. Sealant reacts with atmospheric moisture to form a durable, flexible building sealant.

- For sealing expansion and control joints in precast concrete panels, architectural and natural stone, masonry, steel, metal curtain walls, perimeter sealing of doors and windows, Exterior Insulation Finish Systems (EIFS), fluoropolymer and powder coated aluminum, wood, vinyl and many plastics
- Adheres tenaciously to most substrates, generally without primer
- Performs equally well in new or remedial construction
- 51 standard color packs available

Item #	Code	Description	Stock*
890FTS	PEC	1.5 gallon pail	Y

Pecora 890NST

Nonstaining, Ultra Low-Modulus Silicone Sealant

One part, neutral curing, ultra low-modulus silicone sealant that reacts with atmospheric moisture to form a durable, flexible building sealant. NST Non-Staining Technology™ eliminates the possibility of damage to valuable porous substrates by fluid migration.

- Designed primarily for sealing expansion and control joints in precast concrete panels, architectural stones, metal curtain walls, perimeter sealing of doors and windows, Exterior Insulation Finish Systems (EIFS) and numerous other areas requiring a high-performance sealant
- Adheres tenaciously to concrete, natural stones, masonry, steel, fluoropolymer painted and powder coated aluminum, wood, vinyl and many other plastics, generally without need for a primer
- Performs equally well in new or remedial construction

Item #	Code	Description	Stock*
890NST-ALUMSTONE	PEC	10.1 oz. tube - Aluminum Stone	Y
890NST-ANODALUM	PEC	10.1 oz. tube - Anodized Aluminum	Y
890NST-HARTFORDGREEN	PEC	10.1 oz. tube - Hartford Green	Y
890NST-LIMESTONE	PEC	10.1 oz. tube - Limestone	Y
890NST-PRECAST	PEC	10.1 oz. tube - Precast	Y

*Y = stock item; A = readily available by order

Sealants, Caulks, Adhesives & Glues



PCS Pecora Contractor Silicone

Medium Modulus, Architectural Silicone Sealant

One part, neutral curing, medium modulus silicone sealant designed for moving joints that react in exterior window and door perimeters, concrete panels, tilt-up panels, curtain walls and EIFS.

- Adheres to most common building substrates without priming
- Virtually unaffected by UV, precipitation, ozone and temperature extremes

Item #	Code	Description	Stock*
PCS-ALUMSTONE	PEC	10.1 oz. tube - Aluminum Stone	Y
PCS-ANODALUM	PEC	10.1 oz. tube - Anodized Aluminum	Y
PCS-BLACK	PEC	10.1 oz. tube - Black	Y
PCS-LIMESTONE	PEC	10.1 oz. tube - Limestone	Y

Pecora 860

Glaziers & Contractors Silicone Sealant

Economical, one-part, acetoxy silicone sealant that cures in the presence of moisture. When fully cured and washed, Pecora 860 meets the requirements of FDA Regulation 21CFR177-2600 for use on countertops and other areas where it may be in repeated contact with food.

- Glass shop glazing jobs, industrial applications and general purpose sealing
- Adheres well without primer to glass, many plastics, aluminum, steel, fiberglass, ceramics and wood, including painted surfaces

Pecora 864

Architectural Silicone Sealant

One part, low modulus, neutral curing, high performance silicone sealant that cures via atmospheric moisture to form a durable, flexible building seal.

- Sealing expansion and control joints in precast concrete panels and metal curtain walls, perimeter sealing of doors and windows and other building components
- Fire-rated applications in accordance with appropriate UL Design systems
- Meat and poultry processing plants

Pecora 895

Silicone Glazing & Weatherproofing Sealant

High performing, medium modulus, neutral cure silicone sealant designed for structural and nonstructural glazing.

- Structural glazing of glass, metal and plastic; may also be used as a weatherseal in structural glazing applications
- Nonstructural glazing applications including cap, toe and heel beads and as a weatherseal in glass butt joint glazing
- Sealing expansion and control joints in precast concrete panels and metal curtain walls
- Perimeter sealing of doors, windows and other building components
- Adhering stiffeners to building panels
- Excellent for use in unitized curtain wall systems

Item #	Code	Description	Stock*
—	PEC	Pecora 860 Silicone Sealant	A
—	PEC	Pecora 864 Silicone Sealant	A
—	PEC	Pecora 895 Silicone Sealant	A

AC-20® +Silicone

Nonsag, Acrylic Latex Caulking Compound

AC-20 is a pure acrylic latex sealant for general purpose interior and exterior caulking in architectural applications where slight to moderate movement is anticipated.

- Elastomeric sealant for caulking interior concrete joints, hollow core ceiling and floor planks, window and door frames, vinyl, aluminum, steel and plywood siding, sheetrock, baseboards and bathroom and kitchen fixtures
- Use to grout marble and ceramic tile, repair mortar joints, and, under controlled conditions, bed insulated glass units and storm windows

Pecora 898

Sanitary Mildew Resistant Silicone Sealant

One part, very low odor, neutral curing silicone expressly developed for interior applications requiring a high degree of cleanliness, freedom from bacterial growth, and an appearance complimentary to adjacent surfaces.

- Sealing around the perimeters and/or fixtures of bathroom, lavatory, kitchen and other hygienic facilities
- Use to reset and/or regrout ceramic tile

Item #	Code	Description	Stock*
—	PEC	Pecora 898 Silicone Sealant	A
—	PEC	AC-20® + Silicone Acrylic Latex Caulking Compound	A

DOW CORNING

795 Silicone Building Sealant

One part, Nonsag Silicone Sealant

795 is a neutral cure, architectural-grade sealant that easily extrudes in any weather and cures quickly at room temperature. 795 cures to a medium modulus silicone rubber upon exposure to atmospheric moisture.

- Suitable for most new construction and remedial sealing applications
- Excellent weatherability
- Excellent unprimed adhesion to a variety of construction materials

Item #	Code	Description	Stock*
795-BLACK	DOW	10.3 oz. tube - Black	Y
795-BRONZE	DOW	10.3 oz. tube - Bronze	Y
795-GRAY	DOW	10.3 oz. tube - Gray	Y
795-WH	DOW	10.3 oz. tube - White	Y



*Y = stock item; A = readily available by order

Sealants, Caulks, Adhesives & Glues

Sonneborn Sealant Systems

Sonneborn sealants are formulated with high performance elastomers to ensure outstanding weatherproofing and protection against the most aggressive conditions. Sonneborn provides a sealant for every construction need—self-leveling, nonsag, chemical and water resistant and color matching.



Overview of Sonneborn Sealants and Their Performance

KEY: Best •••• Fair ••	Good ••• Poor •	NP 1™	SL 1™	NP 2™	SL 2™	Sonolac®
Type of sealant		Polyurethane	Polyurethane	Polyurethane	Polyurethane	Acrylic Latex
Number of Components		1	1	2	2	1
Type of Use		Vertical	Horizontal	Vertical	Vertical	Vertical
Adhesion to concrete	••••	••••	••••	••••	••••	••
Adhesion to glass	•••	•••	•••	•••	•••	•
Adhesion to aluminum	••••	••••	••••	••••	••••	••
Adhesion to wood	••••	••••	••••	••••	••••	••
Movement capability		25% to 50%	25% to 50%	25% to 50%	25% to 50%	3% to 8%
Cut, tear, vandal resistance	••••	••••	••••	••••	••••	••
Stays clean (no dirt pickup)	•••	•••	•••	•••	•••	••
Expected service life		7 to 12 yr.	7 to 12 yr.	7 to 12 yr.	7 to 12 yr.	3 to 6 yr.
Nonstaining marble and granite	••••	••••	••••	••••	••••	•••
Chemical resistance	•••	•••	•••	•••	•••	•
Advantages		Excellent flexibility, nonsag, easy to gun and tool, no mixing	Pourable, self-leveling, no mixing	Fast curing, excellent flexibility, nonsag, easy to gun and tool	Fast curing, pourable, self-leveling	Stays flexible
Example Applications		Wall joints, window frames, precast joints	Floor joints, driveways, sidewalks, decks	Wall joints, window frames, structural components	Floor joints, driveways, sidewalks, decks	Sealing and filling joints, patching wall cracks
Colors		10 standard colors	Gray, limestone	40 standard colors, 455 custom colors	40 standard colors, 455 custom colors	4 standard colors

NP 1 Polyurethane Caulk

Item #	Code	Description	Stock*
NP1ALGRAY-PROPK	SON	20 oz. Sausage - Aluminum Gray	Y
NP1ALUMGRAY	SON	10.1 oz. Tube - Aluminum Gray	Y
NP1ANODALUM	SON	10.1 oz. Tube - Anodized Aluminum	Y
NP1ANODALUM-PROPK	SON	20 oz. Sausage - Anodized Aluminum	Y
NP1BLACK	SON	10.1 oz. Tube - Black	Y
NP1BLACK-PROPK	SON	20 oz. Sausage - Black	Y
NP1LIMESTONE	SON	10.1 oz. Tube - Limestone	Y
NP1LMSTN-PROPAK	SON	20 oz. Sausage - Limestone	Y
NP1MDBRNZ-PROPK	SON	20 oz. Sausage - Medium Bronze	Y
NP1MEDBRONZE	SON	10.1 oz. Tube - Medium Bronze	Y
NP1OFFWHITE	SON	10.1 oz. Tube - Off White	Y
NP1REDWOODTAN	SON	10.1 oz. Tube - Redwood Tan	Y
NP1SPBRNZ-PROPK	SON	20 oz. Sausage -Special Bronze	Y
NP1SPECBRONZE	SON	10.1 oz. Tube - Special Bronze	Y
NP1STONE	SON	10.1 oz. Tube - Stone	Y
NP1TAN	SON	10.1 oz. Tube - Tan	Y
NP1TILERED	SON	10.1 oz. Tube - Tile Red	Y
NP1WHITE	SON	10.1 oz. Tube - White	Y
NP1WHITE-PROPK	SON	20 oz. Sausage - White	Y

SL 1 Polyurethane Caulk

Item #	Code	Description	Stock*
SL1LIMESTONE	SON	Self-leveling - 28 oz. tube - Limestone	Y



Sonolac Acrylic Latex Caulk

Item #	Code	Description	Stock*
SONOLAC-WHITE	SON	10.1 oz. tube - White	Y

NP 2 Polyurethane Caulk

Item #	Code	Description	Stock*
NP2-1.5GAL	SON	Two Part 1.5 gallon	Y

SL 2 Polyurethane Caulk

Item #	Code	Description	Stock*
SL2-1.5GAL	SON	Self-leveling - 2-Part 1.5 gallon	Y
SL2SG-1.5G	SON	Slope Grade - 2-Part 1.5 gallon	Y

Color Pack for NP 2 & SL 2 Caulk

Item #	Code	Description	Stock*
CP-ALUMGRAY	SON	#269 Aluminum Gray Color Pack	Y
CP-LIMESTONE	SON	#273 Limestone Color Pack	Y
CP-MEDBRONZE	SON	#258 Medium Bronze Color Pack	Y
CP-OFFWHITE	SON	#221 Off White Color Pack	Y
CP-REDWOODTAN	SON	#128 Redwood Tan Color Pack	Y
CP-SPECBRONZE	SON	#259 Special Bronze Color Pack	Y
CP-STONE	SON	#251 Stone Color Pack	Y
CP-TAN	SON	#098 Tan Color Pack	Y
CP-WHITE	SON	#452 White Color Pack	Y

Sealants, Caulks, Adhesives & Glues

PRO Heavy Duty Construction Adhesive

PROvantage PRO Heavy Duty Adhesive is a premium-grade formula designed for more demanding construction and repair projects. It is ideal for bonding most common materials including wood, metal, brick, marble, ceramic tile, concrete, drywall and wet, frozen and treated lumber.

PRO Heavy Duty Adhesive meets today's most stringent State and Federal VOC regulatory requirements. It fills gaps between materials, reduces the amount of nailing and can be extruded down to 0°F.



Item #	Code	Description	Stock*
5271	FRA	10.5 oz. tube	Y
TITEBOND-CA29	FRA	29 oz. tube	Y

GREENchoice Heavy Duty Construction Adhesive

GREENchoice Heavy Duty Construction Adhesive offers superior interior and exterior strength. Its all-purpose versatility is ideal for all common building materials. It provides a strong grab, fills gaps and irregularities and will remain permanently flexible.

GREENchoice Heavy Duty is a VOC-compliant formula containing no ozone depleting chemicals. It is nonflammable, emits no harmful fumes and cleans up with water.



Item #	Code	Description	Stock*
ES747-10.5	FRA	10.5 oz. tube	Y
ES747-29	FRA	29 oz. tube	Y
ES747-PAIL	FRA	4 gallon pail	Y

GE® SCS1000 Silicone Sealant

One-part, easy-to-use sealant is designed for general purpose glazing and curtainwall sealing applications where long-term reliability is required. SCS1000 is also well suited for general sealing applications such as sheet metal, skylights, ventilators, air conditioning systems, metal or plastic signs, glass block structures, and as a bedding for marine hardware.



Item #	Code	Description	Stock*
SCS1001-CLEAR	GE	10.3 oz. tube - Clear	Y
SCS1001-WHITE	GE	10.3 oz. tube - White	Y

Titebond® Original Wood Glue

The industry standard for woodworking, Titebond Original provides a strong initial tack and fast speed of set to reduce clamp time. It also develops a bond stronger than the wood itself, offers excellent sandability and is unaffected by finishes.

Titebond Original is ideal for wood, hardboard, particleboard, leather, cloth and most other porous materials. Titebond Original is easy to use, nontoxic and cleans up with water.



Item #	Code	Description	Stock*
WOODGLUE-16	FRA	16 oz.	Y
WOODGLUE-32	FRA	32 oz.	Y
WOODGLUE-GAL	FRA	1 gallon	Y

White Painter's Latex Caulk

Painters Caulk is an economical, easy-to-use caulk that is formulated for interior and exterior pre-paint preparation. It offers good weather resistance and provides a strong bond to most common building materials, including wood, metal, glass, masonry, aluminum and brick. It can be used for sealing joints, repairing cracks and backfilling gaps.

Painters Caulk is de-aired for a smooth, uniform bead that extrudes and tools easily. It can be painted or stained with one coat and will not bleed through the paint. Painters Caulk is a nonstringing formula that won't sag or drool and it has excellent bead cut-off. It also cleans up with water when wet.



Item #	Code	Description	Stock*
7301	FRA	10.5 oz. tube	Y

Titebond® Interior/Exterior Construction Adhesive

Versatile adhesive ideal for wood, paneling, drywall, ceramic tile, metal, foamboard and tub surrounds. It is also effective for installing foam insulation and panels to most building materials. Titebond Interior/Exterior provides excellent water resistance and works extremely well in colder temperatures. It also offers a 10 minute working time to allow precise placement of materials. It exceeds the ASTM C557 specification.



Item #	Code	Description	Stock*
3451	FRA	10.5 oz. tube	Y

Titebond® II Premium Wood Glue

The first leading brand, one part wood glue that passes the ANSI Type II water-resistance specification. It is ideal for exterior woodworking projects, including outdoor furniture, birdhouses, mailboxes, planters and picnic tables.



Titebond II Premium provides a strong initial tack, fast speed of set, superior strength and excellent sandability. It is FDA approved for indirect food contact (cutting boards) and is ideal for radio frequency (RF) gluing systems.

Item #	Code	Description	Stock*
WOODGLUEII-GAL	FRA	1 gallon	Y

Gorilla Glue™

Gorilla is a unique, single component, moisture catalyzed adhesive. Moisture in the air or in the material to be bonded will cause Gorilla Glue to cure. As it cures, it will foam up and self-spread. It is 100% waterproof, pH neutral and stainable. It will bond a variety of materials to wood, including stone, ceramics, metal, plastics, soft woods, hard woods, Teak and other exotic or challenging woods, without any special preparation or resin removal.



Item #	Code	Description	Stock*
GORILLA.GLUE-8	GOR	8 oz. bottle	Y

*Y = stock item; A = readily available by order

Floor Protection



Carpet Shield

Temporary, self-adhering protective film shields carpets from dirt, moisture, heavy traffic and paint spills conditions.

Item #	Code	Description	Stock*
1-24200	POL	24" x 200'	Y
1-30200	POL	30" x 200'	Y



Tacky Mats

• Four mats with 30 sheets each

Item #	Code	Description	Stock*
TACKMAT36X45	POL	36" x 45"	Y
TACKMAT24X36	POL	24" x 36"	Y



Construction Paper

Protects valuable finishes during construction and remodeling on floors, stairs, countertops and more.

• Heavy-duty, filament-reinforced kraft paper

Item #	Code	Description	Stock*
K73215	CUR	4' x 300' Roll	Y



Construction Polyethylene

PolyAmerica Plastic Sheeting



Item #	Code	Size	Thickness	Description	Stock*
12X1004MC	POL	12' x 100'	4 mil	Clear	Y
12X1006MC	POL	12' x 100'	6 mil	Clear	Y
12X1006MB	POL	12' x 100'	6 mil	Black	Y
20X1004MC	POL	20' x 100'	4 mil	Clear	Y
20X1004MW	POL	20' x 100'	4 mil	White	Y
20X1006MC	POL	20' x 100'	6 mil	Clear	Y
20X1006MB	POL	20' x 100'	6 mil	Black	Y
20X1006MFR	POL	20' x 100'	6 mil	Fire Retardant	Y
40X1006MC	POL	40' x 100'	6 mil	Clear	Y
40X1006MB	POL	40' x 100'	6 mil	Black	Y



Shrink Wrap

Item #	Code	Width	Thickness	Stock*
SHRINKWRAP-120	POL	18" x 1000'	120 mil	Y
HW031080	POL	3" x 1000'	80 mil	Y
HW051080	POL	5" x 1000'	80 mil	Y

String Reinforced Polyethylene

String poly sheeting with additional poly coating.

Item #	Code	Width	Thickness	Stock*
20X1006MSR	POL	20' x 100'	Standard - 6 mil	Y
20X100SRFR	POL	20' x 100'	Fire Retardant	Y
40X1006MSR	POL	40' x 100'	Standard - 6 mil	Y
40X100SRFR	POL	40' x 100'	Fire Retardant	A



Accessories

Zip n Close® Self-Adhesive Zipper

Creates instant access to plastic enclosures and tarps.

Wind Clip

Secures poly sheeting to scaffolding.

Item #	Code	Description	Stock*
ZU12S-2	POL	(2) 3" x 7' Zippers	Y
WC	POL	8" Plastic Wind Clip	Y



Tarps

Reinforced Poly Tarp

Woven construction, laminated on both sides and cord reinforcement on all sides. Rust resistant grommets are provided every three feet and seams are welded. Mesh is 8 x 8/sq. in. with a weight of 2.42 oz./sq. yard and thickness of .004.



Item #	Code	Size	Stock*
TARP8X10	POL	8' x 10'	Y
TARP9X12	POL	9' x 12'	Y
TARP10X12	POL	10' x 12'	Y
TARP10X15	POL	10' x 15'	Y
TARP15X20	POL	15' x 20'	Y
TARP20X30	POL	20' x 30'	Y
TARP20X40	POL	20' x 40'	Y
TARP30X50	POL	30' x 50'	Y
TARP40X60	POL	40' x 60'	Y
TARP50X100	POL	50' x 100'	Y



Heavy-Duty Contractor Tarp

Manufactured with one side black and reverse side green to provide greater resistance to sunlight than conventional tarps. Mesh is 12 x 12/sq. in. with a weight of 4.84 oz./sq. yard and thickness of .008.

Item #	Code	Size	Stock*
G0810	TWE	8' x 10'	A
G1012	TWE	10' x 12'	A
G1020	TWE	10' x 20'	Y
G1216	TWE	12' x 16'	A
G1620	TWE	16' x 20'	Y
G2030	TWE	20' x 30'	Y
G2540	TWE	25' x 40'	Y
G3060	TWE	30' x 60'	A



"EZY-FIT" Scaffold Tarp

Item #	Code	Size	Description	Stock*
14X20EZFR	POL	14' x 20'	Translucent - Fire Retardant	Y



*Y = stock item; A = readily available by order