



# DURALTEX

## VERSATILE, CHEMICALLY RESISTANT, EPOXY FLOOR COATING

### DESCRIPTION

DURALTEX is a two-component epoxy coating designed to be used for a variety of flooring applications and methods.

### PRIMARY APPLICATIONS

- Warehouse and garage floors
- Manufacturing plants, workshops
- Educational facilities and hospitals
- Kitchens, lavatories and showers

### FEATURES/BENEFITS

- Versatile – coatings, broadcast floors, chipfloors, slurry, broadcast and trowel-down
- User friendly
- Chemical resistant
- Low modulus
- Low odor – 100% solids

### TECHNICAL INFORMATION

#### Material Properties @ 75°F (24°C)

Mix Ratio (by Volume).....	2:1
VOC Content.....	< 50 g/L
Gel Time, 200 g, minutes.....	35 to 45
Pot Life, 3 gal (11.4 L), minutes.....	15 to 25
Tack Free, hrs.....	4 to 5
Hardness, Shore D ASTM D 2240.....	85 to 90
Tensile Strength, ASTM D 638	
psi (MPa).....	5,500 to 6,500 (37.9 to 44.8)
Tensile Elongation, ASTM D 638 %.....	15 to 30
Compressive Strength, ASTM D 695	
Neat resin, psi (MPa) @ 24 hrs.....	7,500 (51.7)
@ 7 days.....	9,800 (67.6)
Bond Strength ASTM D 4541.....	Greater than Concrete

#### Water Absorption, ASTM D 570

24 hrs..... <0.5%

Resistance to Mold Growth Rating:..... 10

ASTM D 3273..... No Growth

#### Resistance to Bacteria Growth

ASTM G 22..... No Growth

Monolithic Surfacing ASTM C 722..... Passes

Abrasion Resistance, ASTM D 4060..... 32 mg loss

Flammability ASTM D 635

Self Extinguishing..... 0.75 Max.

**Available Colors:** White, Light Reflective, Clear, Tan, Light Gray, Concrete Gray, Medium Gray, Dark Gray, Black, and Tile Red. Custom colors are available, subject to minimum quantity orders.

### PACKAGING

DURALTEX is packaged in 3 gal (11.4 L), 15 gal (56.8 L) and 150 gal (567.8 L) units.

### SHELF LIFE

2 years in original, unopened package

### SPECIFICATIONS/COMPLIANCES

USDA compliant

### COVERAGE

#### Floor Coating (20 – 30 mils)

Primer, DURALTEX Clear: 200-225 ft<sup>2</sup>/gal (4.9-5.5 m<sup>2</sup>/L)

Basecoat: 100 ft<sup>2</sup>/gal (2.4 m<sup>2</sup>/L)

Seal Coat (optional): 150 ft<sup>2</sup>/gal (3.7 m<sup>2</sup>/L)

#### Broadcast Floor (Broom & Seed) 1/16" - 1/8" thick (1.6-3.2 mm)

Basecoat, DURALTEX: 100 ft<sup>2</sup>/gal (2.4 m<sup>2</sup>/L)

Aggregate: 0.5-1.0 lbs/ft<sup>2</sup> (2.4-4.8 kg/m<sup>2</sup>)

Sealcoat of DURALTEX: 100-150 ft<sup>2</sup>/gal (2.4-3.7 m<sup>2</sup>/L)

or EUCOTHANE: 200-250 ft<sup>2</sup>/gal (4.9-6.1 m<sup>2</sup>/L)

#### Trowel Down 1/8" – 1/4" thick (3.2-6.4 mm)

Primer, DURALTEX Clear: 200-225 ft<sup>2</sup>/gal (4.9-5.5 m<sup>2</sup>/L)

Basecoat @ 1/8": 40-45 ft<sup>2</sup>/gal (0.98-1.1 m<sup>2</sup>/L)

(approx. 1 gal. (3.7 L) resin to 40 lb (18 kg) trowel grade aggregate)

Seal Coat

DURALTEX Clear: 100-150 ft<sup>2</sup>/gal (2.4-3.7 m<sup>2</sup>/L)

or EUCOTHANE: 200-250 ft<sup>2</sup>/gal (4.9-6.1 m<sup>2</sup>/L)

## DIRECTIONS FOR USE

**Surface Preparation:** New concrete should be allowed to cure for a minimum of 28 days. The concrete must be structurally sound, dry, free of grease, oils, coatings, dust, curing compounds and other contaminants. Surface laitance must be removed. The preferred method of surface preparation is mechanical abrasion. Remove defective concrete, honeycombs, cavities and other defects by routing to sound material. If patching is required, consult Euclid Chemical Technical Support for appropriate patching materials. After patching, a light brush blast is recommended prior to coating. Surface profile should be equal to CSP 2 to 3 in accordance with ICRI Guideline 310.2 at a minimum. The pH of the surface should be checked as per ASTM D 4262. Following surface preparation, the cleaned surface should have a minimum surface tensile strength of 200 psi (1.4 MPa) when tested with an Elcometer or similar pull tester (ASTM D 4541). Before application of the coating, use the "Visqueen test" (ASTM D 4263) or "Calcium Chloride Test" (ASTM F 1869) to evaluate the moisture level in the concrete. Do not proceed if a moisture vapor drive condition exists. Moisture vapor emission rate may vary over time depending upon environmental conditions. All steel surfaces should be blasted in accordance with SSPC-SP10 or NACE #2 to a "NEAR WHITE" finish using clean dry blasting media.

**Mixing:** Pre-mix Part A and Part B, then combine 2 parts by volume of Part A with one part by volume of Part B and thoroughly mix using a low speed drill motor and a "Jiffy" type mixer. Mix only the amount of material that can be applied during the pot life. Do not aerate the mix.

**Application:** See the "Application Guide for Euclid Chemical Decorative and Industrial Floor Coatings" for complete instructions.

## CLEAN-UP

Clean tools and application equipment with methyl ethyl ketone or acetone immediately after use. Clean spills or drips with solvent while still wet. Dried DURALTEX will require mechanical abrasion for removal.

## PRECAUTIONS/LIMITATIONS

- Store indoors at temperatures between 50°F to 90°F (10°C to 32°C).
- Do not mix or apply unless surface, air and material temperatures are 50°F (10°C) and rising.
- Do not apply if surface temperature is within 5°F (3°C) of the dew point in the work area.
- Cure new concrete 28 days before application.
- Do not apply to slabs on grade unless a heavy uninterrupted vapor barrier has been installed under the slab.
- Do not apply DURALTEX if the floor is subject to moisture vapor drive or hydrostatic pressure.
- For applications which require color stability, EUCOTHANE should be used as a topcoat.
- DURALTEX will yellow upon prolonged exposure to sunlight or high intensity artificial lights.
- Although epoxy coatings are chemically resistant, surface staining of the coating may occur after contact with some chemicals. Consider the use of a polyurethane topcoat such as EUCOTHANE for improved stain resistance.
- DURALTEX is a thin coating and minor surface imperfections will reflect through the coating when applied. Proper surface prep and patching of surface imperfections will ensure a better overall finish.
- In all cases, consult the Safety Data Sheet before use.

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