

COATINGS PRIMERS

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INCRETE HIGH PERFORMANCE EPOXY PRIMER EXPRESS

RAPID TURN-AROUND EPOXY PRIMER FOR LEVEL TOP OVERLAY SYSTEMS



EUCLID CHEMICAL

PACKAGING

3 gal kits (11.4 L)

YIELD

75 to 100 ft²/gal (1.8 to 2.5 m²/L)

16/30 mesh sand: 1 lb/ft² (4.9 kg/m²).

MINIMUM/MAXIMUM APPLICATION THICKNESS

Min: 0.25"

Max: 1/8"

APPEARANCE

Clear liquid

CLEAN UP

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

SHELF LIFE

2 years in original, unopened container

BRIEF OVERVIEW

INCRETE HIGH PERFORMANCE EPOXY PRIMER EXPRESS is a versatile, fast-setting, 100% solids, two-component epoxy primer for cementitious overlay flooring applications. Ideally suited for rapid turnaround projects.

PRODUCT CHARACTERISTICS

ADVANTAGES

- Chemically resistant
- Low modulus
- Low odor; 100% solids
- Fast turn-around

COMMON USES

- Primer for INCRETE LEVEL TOP SYSTEMS and other cementitious overlay applications
- 50 °F (10 °C) to 90 °F (32 °C)

COMMON METHODS

- Squeegee
- Roller

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C)

Mix Ratio (by Volume) 2:1

VOC Content (mixed) 15 g/l

Gel Time, 200 gms, minutes 20 to 25

Pot Life, 3 gals (11.4 L), minutes 10 to 15

Tack Free, hrs 2 to 3

Hardness, Shore D ASTM D 2240 75 to 85

Tensile Strength, ASTM D 638

psi (MPa) 5,500 (37.9)

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

Flammability ASTM D 635

Self Extinguishing 0.75 Max.

Water Absorption, ASTM D 570

24 hrs <0.5%

DIRECTIONS FOR USE

SURFACE PREPARATION

Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 3-5 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

MIXING

Pre-mix Part A and Part B separately, 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

Apply mixed epoxy bonding agent system to the properly prepared substrate at a rate of 75 to 100 ft²/gal (1.8 to 2.5 m²/L). Squeegee the epoxy into place, scrub it into the substrate, then back roll to ensure a uniform application. While the epoxy is still wet, broadcast a washed, dried, non absorptive/reactive (per ASTM C 227), 16/30 mesh sand onto the surface until it is completely saturated with sand and appears dry. Application rate for the sand is approximately 1 lb/ft² (4.9 kg/m²). After the sand is applied, the surface should have a uniform appearance with no damp or wet areas visible. If so, apply more sand to those areas until they appear dry. Allow the epoxy to fully cure. Remove all loose, unbonded sand by vacuuming it off prior to topping application.

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 INCRETE HIGH PERFORMANCE EPOXY PRIMER EXPRESS if the floor is subject to moisture vapor drive or hydrostatic pressure.
- In all cases, consult the Safety Data Sheet before use.

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