



PRIME COAT

WATER-BASED EPOXY PRIMER

DESCRIPTION

PRIME COAT is a two-component, penetrating, water-based, epoxy primer. It is recommended as a primer for water-based epoxies, 100% solids epoxies, and urethane coatings. It is ideal to use as a primer for METAL FX.

PRIMARY APPLICATIONS

- Schools
- Laboratories
- Bridge abutments
- Clean rooms
- Concrete block
- Hospitals, medical facilities
- Walls & barriers
- Warehouses

FEATURES/BENEFITS

- Can be used on damp concrete
- Fast drying, yet has long pot life
- Very low odor - excellent for indoor use
- Reduces concrete porosity and outgassing

TECHNICAL INFORMATION

Material Properties @ 75 °F (24 °C) and 50% RH

Mixed viscosity.....3 to 400 cps

Dry to touch.....2 to 4 hrs

Pot life.....6 to 8 hrs

VOC Content mixed.....50 g/L

Mixed solids (as supplied).....32%

Values are typical and are not necessarily referenced to create specifications.

PACKAGING

PRIME COAT is available in a 4.75 gal (18 L) and 0.8 gal (3.1 L) units.

SHELF LIFE

1 Year in original, unopened container.

COVERAGE

	ft ² /gal	(m ² /L)
Bare concrete:	300 to 400	(7.36 to 9.82)
Concrete block:	200 to 350	(4.91 to 8.59)
Coated surface:	350 to 450	(8.59 to 11.04)

Note: Coverage rates will vary depending upon porosity and profile of the concrete.

DIRECTIONS FOR USE

Surface Preparation: New concrete must be cured at least 28 days. 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 2 to 4 in accordance with ICRI Guideline 310.2 at a minimum. Properly clean profiled area. 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.)

Mixing: Premix PRIME COAT Part A and Part B separately using a “Jiffy” mixer at slow speed. Then add the entire contents of Part A to the Part B container. Mix at a slow speed (50 to 100 rpm) for 3 minutes, scraping the sides of the container and paddle blades at least once. Do not aerate while mixing. Allow the mixed, milky-looking product an induction period of about 20 minutes at 75 °F (24 °C), which also allows the air to release from the mix.

Application: Apply PRIME COAT by brush, roller, squeegee, or spray to clean concrete at a coverage rate of 200 to 400 ft²/gal (4.91 to 9.82 m²/L). The initial milky appearance will dry clear. Higher film builds may cause blistering, entrap water (especially under adverse conditions) and impart a yellow cast to the film. The top coat can be applied typically within 2 to 4 hours of the first coat, depending on ambient conditions and concrete porosity. When top coating with moisture sensitive materials such as URETHANE, ensure that the film has set to touch and free of any moisture.

When used as a primer for METAL FX, a unit of METAL FX may be mixed into this product to create a tinted surface when dry (consult Metal FX technical data sheet for complete recommendations).

CLEAN-UP

Clean up tools and application equipment with water or a blend of butyl cellosolve and water immediately after use. Clean up drips and over sprays with water while still wet. Dried primer requires mechanical abrasion for removal.

PRECAUTIONS/LIMITATIONS

- PRIME COAT is not intended as a finished coating.
- Store at temperatures between 40 to 90 °F (4 to 32 °C).
- Protect from moisture and freezing.
- Do not apply to frost-filled concrete or at temperatures below 50 °F (10 °C).
- Do not apply when humidity is very high (>90%).
- PRIME COAT, if applied at higher film builds, may cause blistering and a yellowish cast to the film.
- For professional use only.
- In all cases, consult the Safety Data Sheet before use.

Rev. 09.15

WARRANTY: The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.