



ECO PRIME

DESCRIPTION AND USES

ECO Prime is a 100% solids aromatic polyurea primer for use on concrete floors in industrial and commercial facilities. This primer is not intended for use on wood.

PRODUCTS

281631 Clear

RECOMMENDED TOPCOAT

FastKote
FastKote UV
Medici™ Decorative Polyurea Floor Coating

PACKAGING

ECO Prime is packaged in a kit containing two one gallon pouches and a container of stabilizer, yields slightly greater than 2 gals.

APPEARANCE

Clear

PRODUCT APPLICATION

SURFACE PREPARATION

The concrete surface must be free of all dirt, grease, oil, fats, and other contamination. Remove surface contamination by cleaning with Pure Strength® 3599 Industrial Cleaner/Degreaser, detergent, or other suitable cleaner. Rinse thoroughly with clean, fresh water and allowed to dry.

NEW, UNCOATED CONCRETE: New concrete must be allowed to cure for a minimum of 30 days before application. In addition to the aforementioned cleaning, the concrete must be further prepared by mechanical grinding or acid etch to remove all laitance and produce a suitable surface profile. An ICRI CSP 2-3 should be achieved.

PREVIOUSLY COATED CONCRETE: Previously coated concrete must be in good sound condition with the existing coating tightly adhering to the concrete. In addition to the aforementioned cleaning the existing coating must be sanded to dull the finish and produce a slight surface profile. Remove all sanding dust by vacuum.

CONCRETE REPAIR

All spalls and cracks must be chased out and repaired to ICRI standards using an appropriate Concrete Saver patching material. For floors with very high moisture levels, cracks should be repaired with a mix of TVB 100% Solids Topside Vapor Barrier and Cabosil to create a paste and applied by trowel or putty knife.

PRODUCT APPLICATION (cont.)

MIXING

Both components should be pre-conditioned to a minimum of 60°F (15°C) prior to use. Be sure the air and surface temperatures are at least 5° above the dew point. The ECO Prime is moisture sensitive, so be sure the outside of the flexible pouches are dry and free of condensation prior to opening.

Open the flexible pouches and combine both into the 3½ gallon pail. Mix for at least 2 minutes; then add in the entire container of stabilizer and mix for another one minute.

APPLICATION

Apply only when air, material and floor temperatures are between 50-90°F (10-32°C). Do not apply in direct Sunlight or when temperature is rising.

Pour out only the amount of material to be used into a roller pan. Seal container of unused material.

Roll out the material smooth using a ¼-¾ inch, lint free roller with a phenolic core to a coverage rate between 1,000-1,400 square feet per kit.

THINNING

If necessary, ECO Prime can be thinned up to 10% with MEK. Do not use acetone.

CLEAN-UP

Acetone.

EQUIPMENT RECOMMENDATIONS

ROLLER: Use a high quality ¼-¾ inch lint-free roller with a phenolic core.

BRUSH: Use a disposable natural fiber chip brush, 2-4 inch wide for cut in work.

PERFORMANCE CHARACTERISTICS

Tensile Strength (ASTM D412)	5,200
Compressive Strength (ASTM D695)	11,500
Elongation (ASTM D412)	75
Hardness, Shore D (ASTM D2240)	78
Abrasion Resistance (ASTM D4060)	
CS-17 Wheel, 1,000 g load, 1,000 cycles	20



TECHNICAL DATA

ECO PRIME

PHYSICAL PROPERTIES

Resin Type		Aromatic Polyurea
Weight	Per Gallon	9.9 lbs.
	Per Liter	1.2 kg
Solids By Volume		100%
Volatile Organic Compounds		<10 g/l
Practical Coverage at Recommended DFT		500-700 sq.ft./gal. Coverage rate can vary depending on the texture and porosity of the concrete
Dry Times @ 72° F and 50% Relative Humidity [†]	Tack Free	1-2 hours
	Dry Hard	3-6 hours
	Recoat	1-12 hours*
Shelf Life		12 months unopened
Safety Information		See SDS

Calculated values are shown and may vary slightly from the actual manufactured material.

[†] Dry times will be increase if temperatures are less than 65° F (18°C).

* The primer is suitable to topcoat once it is tack free. If 12 hour recoat time has elapsed, the primer must be sanded prior to application of the topcoat.

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