Energy Seal Coatings

Cool Roof Solutions

Acu-EpoxyPrime

Two Component Epoxy Primer

DESCRIPTION

Acu-EpoxyPrime is a water-based, two part general purpose epoxy primer.

USES

Acu-EpoxyPrime adheres well to metal, asphalt, modified bitumen, concrete, spray foam, single-plys and other surfaces. It may also be used as a masonry block filler.

FEATURES & BENEFITS

Flammability: Non-flammable

Topcoat Time: Topcoat can be applied as soon as primer has thoroughly set, normally 2 to 3 hours after application (dependent upon temperature and humidity). It can be topcoated for up to 7 days. After 7 days surface must be cleaned and re-primed prior to topcoat application.

Weatherability: Chalk resistance is poor. Durability without topcoat is only fair. Not intended for continuous exposure, without an adequate top coating.

Adhesion: Excellent adhesion at recommended application rates. Exceeding recommended application rates may result in reduced adhesive strength.

Hardness: Achieves maximum hardness in 7 days at 60ºF to 80ºF.

Dry/ Cure Time: Dry to touch in 1 hour or less; depending on temperature and humidity. Cure time is 24 hours.

Pot Life: 2 hours at 75ºF. Pot life at 55º F is doubled, however at 100º F it is reduced to 45 min. or less. Do not used material that has been mixed for four hours or more.

Color: Part A is white. Part B is black to dark grey. The combined product is medium grey.

ORDERING INFORMATION: This product is sold in 10-gallon kits. Parts A and B are sold separately in 5 gallon buckets. When combined the two parts produce a thick, heavy body coating which is easily spread.

PREPARATION

Surface to receive coating must be clean, smooth, dry, and paintable. Any debris, gravel, dust, and silt must be removed prior to application.

It is very important that this product is not used when weather conditions or surface temperatures are below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application.

We also do not recommend application of this product if rain or dew is likely to occur before adequate curing of product. Do not apply to surfaces that are above 130°F unless special instructions are secured from Advanced Coating Systems, Inc. - Not for continual submersion in liquid, without proper topcoating.

APPLICATION

Spray: Airless sprayer 2,000 psi, 1 gallon per minute, contractor gun w/RAC SwitchTip & guard. 0.19 - 0.25 tip size depending on length of hose and spray pattern developed.

Brush: Nylon bristle brush.

Roller: 1/2" - 3/4" nap roller.

Ideal time to topcoat is 1 to 3 days. Longer re-coat time may result in poor intercoat adhesion and possible delamination.

Acu-EpoxyPrime

V.O.C.
< 55 g./lit.

Rev 0813

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Charter Member
ENERGY STAR ROOF PRODUCTS PROGRAM
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Acu-EpoxyPrime

Technical Data

Color:	Medium grey
Solid Content by Weight:	60% ±2
Solid Content by Volume:	42.5 ±2
Specific Gravity A&B:	1.40
Weight per Gallon A&B:	11.72 lbs /gal
Flash Point:	>212° F
Hardness:	Cures to form a hardened lusterless coating
Chemical Resistance:	Excellent alkali resistance, good solvent and fair acid
VOC	<55 grams/ liter
Temperature Limit for Normal Service:	-40°F to 180°F (-40°C to 80°C)
Shelf Life: unopened containers	1 year when stored between 45°F and 75°F
Packaging:	10 gallon kits, 5 gallon part A, 5 gallons part B
Clean Up:	MEK for cleaning and drying spray equipment

D.O.T. Classification: Roof Coatings, not regulated

HMIS Rating: **Part A** Health 1, Flammability 0, Reactivity 0, Protection X

Part B Health 1, Flammability 1, Reactivity 1, Protection X

0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

SURFACE PREPARATION: All surfaces to be coated must be clean, dry, and paintable. Any debris, gravel, dust and silt must be removed prior to application.

WEATHER RESTIRICTIONS: It is very important that this product is not to be applied when weather temperatures or surface temperature is below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application. Do not apply this product if rain or dew is likely to occur before the product has thoroughly set.

MIXING PROCEDURES: The two components are packaged in the correct proportions (1 part by volume of Part A to 1 part by volume of Part B). ***MIX each component individually,*** then combine Part A & Part B in a 12-15 gallon container and mix for 5-10 minutes; power mixing is recommended. Part A is slurry liquid, with settling properties. Part B is a viscous liquid. When combined the resulting product is a gel-like coating, which is easily spread. **Do not used material that has been mixed for 4 hours or more.**

APPLICATION RATE: Applied to a smooth surface, the coverage rate is approximately 300 square feet per gallon. Porous surfaces will require additional primer. Too much primer will reduce adhesion strength.

Surface	***Coverage***
Block filler	70 – 100 sq.ft /gal
Smooth asphalt	100 - 150 sq.ft. /gal
Smooth modified	100 - 150 sq.ft. /gal
Granulated modified	75 - 100 sq.ft. /gal
Concrete	150 - 200 sq.ft. /gal
Smooth single-ply	300 sq.ft. /gal
TPO	Not recommended

APPLICATION OF TOPCOAT: Most coatings can be applied over Acu-EpoxyPrime as soon as it is thoroughly set. This degree of dryness is normally achieved in two to three hours (dependent upon temperature and humidity). Where maximum solvent resistance is needed, apply two coats a minimum of two hours apart. Let cure for five days with a daily maximum temperature of 70ºF or higher. For 60ºF days, allow 10 days. All Energy Seal Coatings topcoats and most commercial paint will adhere well to cured Acu-EpoxyPrime up to one week old, if the surface is clean and free of chalk.

CLEAN UP: Clean up with soap and water or a small quantity of distilled vinegar. MEK is recommended for both cleaning and drying spray equipment in order to avoid corrosion. *(Make sure hoses are solvent resistant)*.

TOXICITY: Part B contains a polyamide resin, which is non-sensitizing, however, care should be taken to thoroughly clean with soap and water any skin areas that are contacted by Acu-EpoxyPrime. Undiluted distilled vinegar is very effective in neutralizing coating that contacts the skin. If the coating should get in the eye, flush with water and call a physician. See MSDS for complete details.

SAFTY PRECATUIONS: This product is designed for professional installation.

Caution should be exercised to prevent mishap due to improper handling. The use of an appropriate MESA/NIOSH approved respirator during application is recommended. We also recommend the use of fabric coveralls and neoprene or other resistant gloves. Installers should use caution during spray processes to avoid falls caused by slipping on wet primer. Installers should read and understand all technical and informational literature on this product, including the Material Safety Data Sheet, prior to using this product.

CAUTION: Do not apply within one hours of sunset, rain, fog or freezing temperatures. All coatings must be completely dry before exposing to water or foot traffic. Keep all containers covered when not in use. Dispose of all containers in accordance with state and local environmental regulations. Keep away from children. If ingested, DO NOT induce vomiting. Call Physician immediately.