



Prime -Tek 11

For Professional Use Only

PRODUCT INFORMATION

Product Type: Prime-Tek 11 as provided is a two component, 1 to 1 ratio, water-based epoxy primer.

General Properties: Multi-purpose, thixotropic, easy spreading primer.

Recommended Uses: Prime-Tek 11 adheres well to most metals, organic polymers, wood, masonry and vitreous surfaces. This primer may also be used as masonry block filler. Do not use on copper or silver.

Product Limitations: Do not apply to surfaces, which are below 50°F or above 130°F unless special instructions are secured from Coating & Foam Solutions, LLC. Do not apply when it is raining or if the threat of rain exists. Also, do not apply when the dew point is less than 5°F above ambient temperature.

Color: Part A is White. Part B is Black to Dark Grey. The combined product is Medium Grey.

Ordering Information:

This product is available in 10-gallon kits. A and B packaged separately - 5 gallons each.

Shipping Information:

Container Size	Class
A-Side: 5 Gal (18.9 Liter)	55
B-Side: 5 Gal (18.9 Liter)	55

D. O. T. Classification: Roof Coating, Not Regulated

HMIS®:

Part A: Health 1, Flammability 0, Reactivity 0, Protection X

Part B: Health 1, Flammability 1, Reactivity 0, Protection X

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

Physical Properties:

PHYSICAL PROPERTY	TYPICAL VALUE	ASTM TEST METHOD
Solids Content By Weight:	60% (± 2)	(ASTM D-1644)
Solids Content By Volume:	42.5% (± 2)	(ASTM D-2697)
Specific Gravity A&B Weight per Gallon A&B	1.40 11.72 lbs p/gal	
Flash Point:	> 212 °F (> 100 °C)	As Mixed A & B
Hardness:	Cures to form a hard lusterless coating.	N/A
Chemical Resistance:	Excellent alkali resistance, Good solvent and fair acid resistance.	N/A
Permeability:	Cures to form a solvent and vapor resistant film.	N/A
VOC:	< 55 Grams / Liter	As Mixed A & B (EPA Method 24)
Temperature Limit for Normal Service:	-40°F to 180°F (-40°C to 82 °C)	N/A
Maximum Continuous Service Temperature:	180 °F (82 °C)	N/A
Shelf Life: (UNOPENED CONTAINERS)	1 year when stored between 45°F. and 75°F	Protect from Freezing in Shipment & Storage

- **Flammability:** Non-flammable.
- **Hardness:** To achieve maximum hardness primer must cure 7 days at 60° F to 80° F.
- **Adhesion:** Excellent adhesion to most surfaces at recommended application rate. Most coating materials have excellent adhesion to Prime-Tek 11 Primer. Too much primer will reduce adhesion strength.
- **Weatherability:** Chalk resistance is poor. Durability without topcoat is only fair. Not intended for continuous exterior use.
- **Pot Life:** 2 hours at 75° F. This can be extended to 3 hours by thinning up to 5% with water (**1 quart per 5 gallon pail**) to achieve the original consistency. Pot life at 55° F is doubled, however at **100° F it is reduced to 45 minutes or less.**
- **Cure Time:** Dry to touch in 1 hour or less; depending upon temperature and humidity. Full cure in 24 hours.
- **Recoat Time:** Most coatings can be applied over Prime-Tek 11 as soon as it is thoroughly set. This degree of dryness is normally achieved 2 to 3 hours after application (dependent upon temperature and humidity) and can be recoated for up to 7 days. Best adhesion is achieved in 1 to 3 days. After 7 days surface must be cleaned and re-primed prior to coating application.



APPLICATION PROCEDURES Prime-Tek 11

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

WEATHER RESTRICTIONS: It is very important that this product is not used when weather conditions 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 curing of product.

LIMITATIONS: Do not apply to surfaces that are above 130 °F unless special instructions are secured from CFS. - Not for continual submersion in liquid.

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 A & B component individually ---
Avoid OVER MIXING "B-Side"!
Only mix until you reach a uniform consistency!

Then combine equal amounts of A & B and mix thoroughly. Power mixing is recommended.

Part A is a slurry liquid, with settling properties. Part B is a viscous liquid. When combined the resulting product becomes a thixotropic easy spreading suspension.

Do not use material that has been mixed for 4 hours or more.

APPLICATION RATES: Applied to a smooth surface, the coverage rate is approximately 200 to 400 square feet per gallon. Porous surfaces will require additional primer. Too much primer will reduce adhesion strength.

Surface	Coverage	Application Rate
Smooth Asphalt	100 - 150 sq.ft. p/gal	1 – 2/3 gps.
Smooth Modified	100 - 150 sq.ft. p/gal	1 – 2/3 gps.
Granulated Modified	75 - 100 sq.ft. p/gal	1 1/3 – 1 gps.
Concrete	150 - 200 sq.ft. p/gal	2/3 – 1/2 gps.
Smooth Single Ply	300 sq.ft. p/gal	1/3 gps.

APPLICATION EQUIPMENT: This product may be sprayed, brushed, or rolled. Use long nap (3/4" to 1") rollers when Prime-Tek 11 primer is used as block filler for porous concrete. If blowholes form as the primer dries make second pass with a relatively dry roller. Allow 8 to 10 minutes between passes.

- For application to smooth surfaces, add up to one quart (32oz.) of water per 5 gallon pail of mixed Prime-Tek 11 Primer. Use a 1/4" or 3/8" nap roller or nylon brush.

AIRLESS SPRAY:

Pump Minimum Specification:

- 1,500 – 2,000 psi
- 1 gal per minute
- Contractor Gun w/RAC SwitchTip & Guard
- .019 to .025 tip size depending upon length of hose & spray pattern developed.

APPLICATION OF TOP COATS: Most coatings can be applied over Prime-Tek 11 primer 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 70°F or higher. For 60°F days, allow 10 days. All Coating & Foam Solutions, LLC. Elastomers and most commercial paint will adhere well to cured Prime-Tek 11 Primer up to one week old, provided that the surface is clean and free of chalk.

CLEAN UP: Clean up with water supplemented with soap or a small quantity of 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 Prime-Tek 11 Primer. Undiluted 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.

SAFETY PRECAUTIONS: 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 important. 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.