



THERMO-PRIME™

TECHNICAL DATA SHEET

Acrylic Roof Primer

Product Description

Thermo-Prime™ Acrylic Roof Primer is a single component, water soluble, acrylic primer that promotes adhesion of spray-in-place polyurethane foam to a variety of roofing substrates including BUR, modified bitumen, concrete, masonry, galvanized metal and wood. Because of its dark color, Thermo-Prime™ Acrylic Roof Primer evaporates dew and water vapor from the surface at a substantially faster rate than lighter colors. Increased solar radiation absorbed from the dark color can also increase SPF yields. The water-based formula eliminates odor problems normally associated with solvent-borne primers.

Use Thermo-Prime™ Acrylic Roof Primer as a bonding primer on properly prepared roof decks to hold down residual dirt, dust and other small particle foreign debris to the substrate before SPF installations. Also use to prime "scarified" foam prior to new SPF applications. Recommended spreading rates below are approximate:

- Metal: Approx. 400 sq/ft. per gallon
- Concrete (Lightweight) : 100 to 200 sq/ft. per gallon
- Wood: 250 sq/ft. per gallon
- Regular Concrete: 200 to 275 sq/ft. per gallon
- BUR: 200-300 sq/ft. per gallon

Product Characteristics

Standard Colors:	Thermo-Prime™ – Black
Roofing Foam Application:	12 hours

Product Application

All surfaces should be dry, clean and free from detrimental foreign matter that will adversely affect adhesion and product performance. Remove foreign surface deposits and/or organic growth using manual, mechanical or chemical cleaning techniques. Very dense, non-porous or chemically treated concrete requires overall etching or abrasive blasting to promote adhesion. Apply Thermo-Prime™ with a brush (polyester/nylon), roller (high quality 3/8" – 1/2" pile nap), garden sprayer or conventional or airless spray equipment. Airless spray equipment must be capable of maintaining a constant 1700 psi at the tip without surge when spraying through a 0.01" – 0.015" tip size.

Recommended wet film per coat is 8 mils. Recommended dry film per coat is 1-2 mils. Coverage rates will vary depending upon method of application, surface irregularities and porosity of substrate. Coverage figures do not include spray loss. Apply only when air, product and surface temperatures are above 50°F (10°C). Avoid application when dew or condensation is likely to form or when rain threatens. Promptly clean brushes, rollers and spray equipment with warm soapy water. Give spray equipment a final cleaning with high quality paint thinner to remove moisture and prevent possible corrosion.

Contact Huntsman Building Solutions Technical Service personnel for specific recommendations, pricing and availability of spray and auxiliary equipment.

Physical Properties

Properties	Test Method/Requirements	Value
Flash Point:	ASTM D 2370	>250°F (PMCC)
Solids by Weight:	ASTM D 2370	21.1%
Solids by Volume:	ASTM D 2240	19.4%
VOC:	ASTM D 2240	37 g/l
Theoretical Coverage:	6-8 dry mils	1.5 gallons
Dry to Touch:	at 77°F (25°C) and 50% RH	30 minutes

Product Handling:

Some separation may occur during shipment and storage, therefore the contents of each container should be thoroughly power mixed for ten (10) to fifteen (15) minutes before application. Product should never be thinned. Thermo-Prime™ Acrylic Roof Primer is a water-based elastomeric acrylic primer which will freeze and become unusable at temperatures below 32°F. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F.

SHELF LIFE: One year from manufactured date when stored properly.

Clean Up: Promptly clean hands, tools, and equipment with warm soapy water.

Packaging

U.S. MEASURES: 5-gal. pails, 55-gal. drums & 275-gal. totes.
WEIGHT PER U.S. GALLON: 11.65 lbs.

Limitations

Do not use as a finish coat. Allow new masonry to cure at least 30 days. The pH of the substrate should be less than 8 before priming.

General Health & Safety Precautions

This product is intended for use by trained professional personnel. Safety Data Sheets are available and any individual who may come in contact with these products should read and understand the S.D.S. In case of emergency contact CAREHECM EMERGENCY NUMBER at (866) 928-0789.

WARNING: Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothing, gloves and use protective equipment on face, hands and other exposed areas.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact Huntsman Building Solutions for a copy of the Respiratory Protection Program developed by OSHA.

INGESTION: Do not take internally. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

DISCLAIMERS

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