

Product Design

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 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.

Product Use

Use Thermo-Prime as a bonding primer on properly prepared roof decks to tie-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 rate is approximately 400 sq.ft. per gallon, depending on substrate and surface profile.

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, nonporous 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.

Processing Parameters

Physical Properties

Properties	Test Method/ Requirements	Value
Standard Colors:		STANDARD COLORS: Black
Flash Point:		>250°F (PMCC)
Solids by Weight:		21.1%
Solids by Volume:		19.4%
VOC:		37 g/l
Theoretical Coverage:	6-8 dry mills	1.5 gallons
Dry to Touch:	at 77°F (25°C) and 50% RH	30 minutes
Recoat Window:		4 hours
Shelf Life:	When properly stored	12 months

Limitations and Precautions

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 Safety, Toxicity, Health Data

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S. In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424-9300.

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

CLEAN UP: Water

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.

THERMO-FLEX™

ACRYLIC COATING SYSTEMS

Thermo-Prime

Primer

Rev. Date: 01/01/09

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

INGESTION: Do not take internally.

Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

Disclaimer

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