

technical information

#8851

CRICSSM

Ceramic Reflective Insulating Coating Systems



ProTek - THERMCOTE/BM™

ELASTOMERIC ACRYLIC CERAMIC INSULATING COATING

For Roofs of

BUSES, TRUCKS, MOTOR HOMES & OTHER R.V.'S

PRODUCT DESCRIPTION

THERMCOTE/BM™ is a bright white, 100% Acrylic Elastomeric, Insulating Ceramic, waterproofing Roof coating for Buses, Trucks, Motor Homes, & other Recreational Vehicles. A waterborne, latex based, high build formula that waterproofs, insulates, soundproofs, beautifies and protects. Forms a thick rubber-like ceramic shield of protection that expands and contracts with varying hot and cold temperatures, plus resists thermal shock. **THERMCOTE/BM™** offers superior mildew resistance, ceramic insulation & soundproofing, excellent adhesion, ultraviolet ray reflectivity and a beautiful finish.

THERMCOTE/BM™ was originally designed as an insulating, reflective coating for School Districts to use on the roofs of school buses with no air conditioning to lower the interior bus temperature. This energy saving coating will reduce interior temperatures when hot, and make interior temperatures more constant when cold due to ceramic insulation. Formulated to resist over 100 mph wind driven rains. **THERMCOTE/BM™** offers a **7 YEAR LIMITED WARRANTY** when applied by manufacturer's specifications. It is an easy to apply, maintenance free coating system that will provide years and years of durable protection and outstanding beauty.

PRODUCT USES

THERMCOTE/BM™ is recommended for all Bus & Recreational Vehicle roofs. Roof surface must be well drained and can not hold any ponding water. Excellent adhesion on wood, shakes, plywood, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, styrofoam, fiberglass, rolled roofing, modified bitumen membranes, mineral surfaced roofing, concrete, masonry, and various other substrates.

SURFACE PREPARATION

A primer sealer coat of **BMPRIME™** is highly recommended before application of **THERMCOTE/BM™** and is required for the 7 Year Limited Warranty. For proper adhesion to the primer coat, it is essential that the surface is clean and dry and free of all moisture. Prepare surface by thoroughly pressure washing with a water d chlorine solution (unless previously done before **BMPRIME™** primer application) using at least 1500 P.S.I. to remove any previous

coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. **THERMCOTE/BM™** will resist mildew growth, but will not kill mildew already on the surface. Apply only to a sound, well prepared roof surface. Prepare all rust and corrosion with **OXIPRIME™**, *Red Iron Oxide Primer Sealer*. Patch any holes, cracks, valleys, etc., with **THERMAPATCH™**, a Waterproof Caulk and Sealant. Tape and seal all seams with **POLYMESH™**, *Polyester Fabric Tape*.

APPLICATION PROCEDURE

Stir well before using. Do not thin, use product as is. Do not apply when temperatures are below 45 degrees Fahrenheit or when humidity is very high. Do not apply when coating will be subjected to rain or heavy dew before it has had enough time to dry (approximately 4 to 6 hours). Drying time will vary depending on temperature, humidity & location. Apply using brush, roller or sprayer. Spread uniformly. Wait at least 12 hours before applying a second coat. Two coats are required for the 7 Year Limited Warranty. **CAUTION:** Applicators must wear dark sunglasses on sunny days.

Clean all tools immediately after use while still wet with warm soapy water.

AIRLESS SPRAYERS: Use at least a 1 gallon per minute piston type airless with a min. tip: .027.

PHYSICAL PROPERTIES

Reflectivity: 82.7%+ white (slightly less when tinted)

Emissivity: 93%+ white in light earth tones or pastels)

FINISH: Flat

COLOR: White (Tintable)

VEHICLE TYPE: Copolymer Emulsion

DRY TIME: @77°C -50% RU

DRY to TOUCH: 4 to 6 Hours

RECOAT: 12 Hours

FULL CURE: 5 to 7 Days

SOLIDS by WEIGHT: 63% +/- 2%

SOLIDS BY VOLUME: 37% +/- 2%

GALLON WEIGHT: 11.7lbs. +/- .3lbs.

SIZES: 1Gal., 5Gal., 55Gal.

APPROXIMATE COVERAGE

100 to 150 sq.ft./gal./Coat

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