

# technical information

#8637



"GREEN" Coating Products

Ceramic Reflective Insulating Coating Systems

## PROTEK THERMCOTE/A-10™ SEMI-GLOSS

ELASTOMERIC ACRYLIC URETHANE CERAMIC  
INSULATING SLOPED ROOF COATING



### PRODUCT DESCRIPTION

**THERMCOTE/A-10™ SEMI-GLOSS** is a waterborne, latex-based, high build formula that waterproofs, insulates, soundproofs, beautifies and protects. **THERMCOTE/A-10™ SEMI-GLOSS** is a bright white 100% Acrylic-Urethane Ceramic waterproofing Coating. It forms a thick rubber-like ceramic shield of protection on the roof. Elastomerics allow exceptional expansion and contraction with varying hot and cold temperatures and insulating ceramics provide resistance to thermal shock. **THERMCOTE/A-10™ SEMI-GLOSS** provides superior mildew resistance, excellent adhesion, U.V. ray reflectivity and a beautiful finish. **THERMCOTE/A-10™ SEMI-GLOSS** has been designed to extend the life of the roof and save energy. It offers a **7 YEAR LIMITED WARRANTY** when applied per manufacturer's specification... **THERMCOTE/A-10™ SEMI-GLOSS** is an inexpensive, easy to apply solution to re-roofing and will provide years of durable protection and outstanding beauty.

### PRODUCT USES

**THERMCOTE/A-10™ SEMI-GLOSS** must only be used on well-drained, *Sloped* roof surfaces with a 1" per 2 foot slope minimum or an angle greater than 4 degrees). (*ThermCote/A-PW5™ Ponding Water Formula Roof Coating - must be used for flat roof applications or where ponding water is a problem.*) **THERMCOTE/A-10™ SEMI-GLOSS** has excellent adhesion on all WOODS: weathered, shakes, plywood, T1-11. METALS: primed, galvanized, aluminum, tin, copper. PLASTICS: urethane, polyester, styrofoam, fiberglass. ROOFS: built-ups, bonded gravel, rolled roofing, modified bitumen membranes, mineral surfaced roofing. MASONRY: concrete tiles, clay tiles, masonry tiles (flat or barrel), stucco, slate, slab and various other substrates incl. Asbestos. FOR RESIDENTIAL, COMMERCIAL, INDUSTRIAL APPLICATIONS.

### SURFACE PREPARATION

Loose, flaking or peeling coatings along with any dirt, grease, and other foreign materials, especially mold, mildew and algae must be removed (*A-10™ SEMI-GLOSS* will resist mildew growth, but will not kill mildew already on the surface). For best results, pressure wash with a water and chlorine solution (if applicable, clean before applying primer coat) using at least 1500 P.S.I. Apply only to a sound, well-prepared roof surface. Patch any holes, cracks, flashings, valleys, vents, etc. with **THERMAPATCH™ Waterproof Caulk and Sealant**. Tape and seal all seams with **POLYMESH™ Polyester Fabric Tape**. **METAL ROOFS:** Clean surface of all grease, oil and foreign matter before priming rusted areas with **OXIPRIME™ Red Iron Oxide Primer Sealer**. Check **THERMCOTE/A-10™** adhesion on galvanized or coated metal by applying it to a small area and evaluating after 48 hours. Metal must be slightly buffed without penetrating the coated or galvanized finish. Spot prime any penetrated areas with **OXIPRIME™** and then apply **ELASTOPRIME™ Tie bond Primer and Sealer** to the entire area.

### APPLICATION PROCEDURE

It is essential that the surface is clean and dry and free of all moisture. Stir **THERMCOTE/A-10™ SEMI-GLOSS** well before using. Do not thin, use product as is. Do not apply when temperatures are below 45°F 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). Ambient temperature, humidity and location will affect drying time.

Apply **THERMCOTE/A-10™ SEMI-GLOSS** with brush, roller or sprayer (1 GPM piston-type airless sprayer with a minimum tip size of .027). Spread uniformly. Wait at least 12 hours before applying second coat. Two coats are required for the warranty. Clean up immediately after use, while still wet, with warm soapy water. CAUTION: Applicators must wear dark sunglasses on sunny days.

### PHYSICAL PROPERTIES

**Reflectivity:** .....83.6%+ white {slightly less when tinted}  
**Emissivity:** .....93%+ white {in light earth tones or pastels}  
**SRI (solar reflectance index)** ..... 106  
**FINISH:** .....Semi-Gloss  
**COLOR:** .....White (Tintable)  
**FILM THICKNESS:**

@ 100 sf/gal/coat - 15-16 wet / 9-10 dry mils  
@ 80 sf/gal/coat - 18-19 wet / 11 - 12 dry mils\*\*

### DRY TIME (@ 77°F):

**TO TOUCH:** .....2 to 4 Hours  
**TO RECOAT:** .....12 Hours  
**FULL CURE:** .....5 to 7 Days

**VEHICLE TYPE:** .....Copolymer Emulsion  
**SOLIDS by WEIGHT:** .....51% +/- 2%  
**GALLON WEIGHT:** .....10.9lbs. +/- 0.3lbs  
**SIZES:** .....1-Gal, 5-Gal, 55-Gal

### APPROXIMATE COVERAGE

**SPREAD RATE:** .....100- 150 sq.ft./Gallon/coat

**NOTE:** For 20 PLUS dry mil Film Thickness apply\*\*  
2 coats at 80 sf/gal (see "Film Thickness", above)

\*\*when applied at a minimum of 20 dry mil film thickness, product meets or exceeds the standards specified in Title 24, California Code of Regulations, Part 6, Section 118, "Mandatory Requirements for Cool Roofs"- Sub-Section (f) (2)

### WARRANTY COMPLIANCE INFORMATION

The **THERMCOTE/A-10™ SEMI-GLOSS** 7 YEAR LIMITED MATERIAL WARRANTY is for Product only and applies to chipping, cracking and peeling, only. Labor is not covered by this warranty. This product is not guaranteed to stop or prevent leaks; all leaks must be repaired prior to the application of any coating. The WARRANTY is available only when product is applied according to Manufacturer's Application Procedures and Strict Material Requirement Specifications and a Warranty Registration and a Job Completion Form it is submitted to Manufacturer within 90 days of completed coating application date.

**SLOPED ROOFS ONLY:** This Warranty is available for well draining, SLOPED ROOFS ONLY. Slope of roof must be greater than 1" per 24" or an angle greater than 4 degrees, otherwise inquire about *ThermCote/A-PW5™ Limited Ponding Water Roof Coating...*

**MIL THICKNESS:** A required primer sealer coat of **ELASTOPRIME™** or **OXIPRIME™** must be applied prior to the application of **THERMCOTE/A-10™ SEMI-GLOSS**. The primer coat and two coats of **THERMCOTE/A-10™ SEMI-GLOSS** must result in a minimum 20 mil total dry film thickness.

**MINIMUM SPREAD RATES:** **ELASTOPRIME™** or **OXIPRIME™** must be applied at no more than 150 square feet per gallon. **THERMCOTE/A-10™ SEMI-GLOSS** must be applied at no more than 150 square feet per gallon per coat, resulting in an aggregate spread rate of 75 square feet per gallon for both coats.

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