

# technical information

#8131



Ceramic Reflective Insulating Coating Systems



"GREEN"

Coating Products

## ProTek-THERMCOTE/A-5™

CERAMIC ACRYLIC ELASTOMERIC URETHANE



### INSULATING ROOF & WALL COATING

#### PRODUCT DESCRIPTION

**THERMCOTE/A-5™** is a bright white, 100 % Acrylic Elastomeric, Urethane, Ceramic, waterproof coating for sloped roofs and for Walls. A waterborne, latex-based, high build formula that waterproofs, insulates, soundproofs, beautifies and protects. **THERMCOTE/A-5™** forms a thick, rubber-like ceramic shield of protection that helps to waterproof and seal to prevent leaks. **THERMCOTE/A-5™** expands and contracts with varying hot and cold temperatures and resists thermal shock. **THERMCOTE/A-5™** offers superior mildew resistance, ceramic insulation and soundproofing combined with excellent adhesion, ultraviolet ray reflectivity and a beautiful finish. Designed specifically as an insulating, energy saving Roof & Wall coating, **THERMCOTE/A-5™** combats the destructive environmental forces of nature and actually extends the life of the roof and walls. **THERMCOTE/A-5™** offers a **6 YEAR LIMITED WARRANTY** for Roofs and **8 YEAR LIMITED WARRANTY** when applied to walls as a two coat system per manufacturer's specifications. This easy-to-apply roof and wall coating will provide years and years of durable protection and outstanding beauty.

#### PRODUCT USES

**THERMCOTE/A-5™** is recommended for virtual any type of wall or siding and for well-drained, *Sloped* roof surfaces only. For flat roof applications or where ponding water is a problem use **ProTek-THERMCOTE/APW-5™ Ponding Water Formula Roof Coating**. Excellent adhesion on weathered wood, shakes, plywood, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, styrofoam, fiberglass, built-up roofs, bonded roof gravel, rolled roofing, modified bitumen membranes, mineral surfaced roofing, stucco, concrete, concrete tiles, clay tiles, masonry tiles (flat or barrel), slate, slab and various other substrates. For residential, commercial and industrial applications.

#### SURFACE PREPARATION

A primer sealer coat of **ProTek-ELASTOPRIME™ Elastomeric Adhesive Primer Sealer** is recommended prior to the application of **THERMCOTE/A-5™**, if roof was previously coated, leaks were present, or if the surface needs extra bonding. Rusted areas need to be primed with **ProTek-OXIPRIME™ Water-based Red Iron Oxide Primer**. Prepare surface solution (unless previously done before primer coat) using at least 1500 P.S.I. to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. **THERMCOTE/A-5™** will resist mildew growth, but will not kill mildew already on the surface. Apply only to a sound, well-prepared roof surface. Patch any holes, cracks, flashing, valleys, vents, etc. with **ProTek-THERMAPATCH™ Waterproof Caulk and Sealant**. Tape and seal all seams with **ProTek-POLYMESH™ Polyester Fabric Tape**

#### APPLICATION PROCEDURE

Stir **THERMCOTE/A-5™** well before using. Do not thin, use product as is. For proper adhesion to the primer coat, surface **MUST** be clean and dry and free of all moisture. 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 2 to 4 hours). Drying time will vary depending on temperature, humidity and location. Apply using brush, roller or sprayer (1GPM piston-type airless sprayer with a minimum tip size of .027). Spread uniformly. Wait at least 12 hours before applying a second coat.

Clean up immediately after use, while still wet, with warm soapy water. **CAUTION:** Applicators must wear dark sunglasses on sunny days.

#### PHYSICAL PROPERTIES

Reflectivity: .....83.7%+ white (slightly less when tinted)  
Emissivity: .....94%+ white (in light earth tones or pastels)  
FINISH: .....Flat  
COLOR: .....White—user tintable to virtually any color  
FILM THICKNESS:  
@ 150 sq. ft/gal - 10-11 wet = 6 - 7 dry mils  
@ 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: .....4 to 6 Hours  
TO RECOAT: .....12 Hours  
FULL CURE: .....5 to 7 Days  
VEHICLE TYPE: .....Copolymer Emulsion  
SOLIDS by WEIGHT: .....61% +/- 2%  
GALLON WEIGHT: .....11.8lbs. +/- 0.3lbs  
SIZES: .....1-Gal, 5-Gal, 55-Gal

#### APPROXIMATE COVERAGE

SPREAD RATE per coat: .....Roofs - 100 - 150 sq.ft.  
.....Walls - 100 - 200 sq.ft.

#### 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:

**THERMCOTE/A-5™ 6 & 8 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 is submitted to ProTek-USA within 90 days of completed coating application date. This Warranty is available for Wall applications and 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 **ProTek-THERMCOTE/APW-5™ Limited Ponding Water Roof Coating**.

**MIL THICKNESS:** A primer sealer coat of **ELASTOPRIME™** or **OXIPRIME™** is optional but recommended. For Roof applications the primer coat (if used) and two coats of **THERMCOTE/A-5™**, MUST result in a minimum 20 mil total dry film thickness. Two coats **THERMCOTE/A-5™** MUST result 16 mil total dry film thickness.

**MINIMUM SPREAD REATES:** **ELASTOPRIME™** or **OXIPRIME™** must be applied at no more than 150 sq.ft./gallon. **THERMCOTE/A-5™**, must be applied at no more than 150 sq.ft./Gallon/coat on Roofs, 200 sq.ft./Gallon/coat on Walls resulting in an aggregate spread rate of 75 square feet per gallon for both coats on Roofs and 100 sq.ft. on Walls.

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