

# technical information

#8641



"GREEN"  
Coating Products

CRICS<sup>SM</sup>

Ceramic Reflective Insulating Coating Systems

## THERMCOTE/A-PW5<sup>TM</sup>

ELASTOMERIC ACRYLIC URETHANE CERAMIC

INSULATING PONDING WATER FORMULA ROOF COATING



### PRODUCT DESCRIPTION

**THERMCOTE/A-PW5<sup>TM</sup>** is a bright white, 100% Acrylic Elastomeric, Urethane, Ceramic, waterproof, Insulating Ponding Water Formula Roof Coating. A waterborne, latex-based, high build formula that waterproofs, insulates, soundproofs, beautifies and protects. It forms a thick rubber-like ceramic shield of protection that expands and contracts with varying hot and cold temperatures and resists thermal shock. Unsurpassed in technology, **THERMCOTE/A-PW5<sup>TM</sup>** offers superior mildew resistance, UV resistance, corrosion resistance, ceramic insulation and soundproofing - all in one energy saving coating. Designed specifically for Ponding Water Applications on level flat roofs that hold 1/2 inch of water or less for less than 72 hours after rain fall. **THERMCOTE/A-PW5<sup>TM</sup>** offers a 12 YEAR (sloped well drained roofs) and 6 YEAR (flat roofs) LIMITED WARRANTY when applied per manufacturer's specifications. An inexpensive solution to re-roofing, this easy-to-apply, maintenance free roof coating system will provide years and years of durable protection and outstanding beauty and will actually extend the roof's life.

### PRODUCT USES

**THERMCOTE/A-PW5<sup>TM</sup>** has 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, concrete tiles, clay tiles, masonry tiles, slate, slab and various other substrates. For industrial, commercial or residential roof applications.

### SURFACE PREPARATION

Surface must be clean and dry and free of all moisture prior to application. A primer sealer coat of **ProTek-ELASTOPRIME<sup>TM</sup> Elastomeric Adhesive Primer Sealer** should be applied prior to the application of **THERMCOTE/A-PW5<sup>TM</sup>** and is required for the 12 or 6 Year Limited Warranty. Prepare surface by pressure washing with a water and chlorine solution (unless previously done prior to applying primer coat) using at least 1500 P.S.I. to remove any loose, flaking or peeling coatings along with any oil, grease, residues and especially mold, mildew and algae. Use wire brush, if necessary. **THERMCOTE/A-PW5<sup>TM</sup>** will resist mildew growth, but will not kill mildew already on the surface. Apply only to a sound, well prepared TOTALLY DRY roof surface. Patch any holes, cracks, flashings, valleys, vents, etc. with **THERMAPATCH<sup>TM</sup> Waterproof Caulk and Sealant**. Tape and seal all seams with **ProTek-POLYMESH<sup>TM</sup> Polyester Fabric Tape**.

### APPLICATION PROCEDURE

Stir **THERMCOTE/A-PW5<sup>TM</sup>** 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 or when coating will be subjected to rain or heavy dew before it has had enough time to dry. Drying time will vary depending on temperature, humidity and location. Apply using 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 a 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:** .....81.7%+ white {slightly less when tinted}  
**Emissivity:** .....93%+ white {in light earth tones or pastels}  
**FINISH:** .....Flat  
**COLOR:** .....White  
**FIRE Rating:** .....Class "A" as per NFPA 101 Life Safety Code  
**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:** .....4 to 6 Hours

**TO RECOAT:** .....12 Hours

**FULL CURE:** .....5 to 7 Days

**VEHICLE TYPE:** .....Copolymer Emulsion

**SOLIDS BY WEIGHT:** 63% +/- 2%

**GALLON WEIGHT:** 11.8lbs. +/-0.3lbs

**CONTAINER SIZES:** 1-Gal, 5-Gal, 55-Gal

### APPROXIMATE COVERAGE

SPREAD RATE: 100-150 SQ.FT./Gallon/per 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 Insulation and Cool Roofs" - Sub-Section (f) (2)*

### WARRANTY COMPLIANCE INFORMATION

The **THERMCOTE/A-PW5<sup>TM</sup>** 12 AND 6 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.

**12 Year SLOPED ROOFS Warranty:** Slope of roof must be greater than 1" per 24" or have an angle greater than 4 degrees.

**6 Year Warranty:** Available for well draining, flat roofing surfaces. REQUIREMENTS FOR WARRANTY: Roof surface does not accumulate any ponding, standing or settling water in excess of 1/2 inch in depth and any such water evaporates in less than 72 hours. Roof surface does not have any negative pitch, drip edge must be 1/2" or less above roof surface and any parapet walls must have adequate drainage and/or scuppers.

**MIL THICKNESS:** A required primer coat of **ELASTOPRIME<sup>TM</sup>** or **OXIPRIME<sup>TM</sup>** must be applied prior application of two coats of **THERMCOTE/A-PW5<sup>TM</sup>** and MUST result in a minimum 20 mil total dry film thickness.

**MINIMUM SPREAD RATES:** **ELASTOPRIME<sup>TM</sup>** or **OXIPRIME<sup>TM</sup>** must be applied at no more than 150 sq.ft./gallon. **THERMCOTE/A-PW5<sup>TM</sup>**, must be applied at no more than 150 sq.ft./Gallon/per coat, resulting in an aggregate spread rate of 75 square feet per gallon for both coats.

10/28/08