

TAM★STAR ASTM D 6083 WHITE ELASTOMERIC COATING

PRODUCT DATA



PRODUCT NUMBER
31000882 - 5 gal.

DESCRIPTION

A brilliant-white mixture of 100% acrylic copolymers and reflective pigments formulated to meet ASTM D 6083 requirements. The high concentration of titanium dioxide pigment and acrylic copolymers provide protection from harmful ultraviolet and infrared radiation. It beautifies and protects the roof's surface, reflecting up to 84% of the sun's rays. An enhanced formulation provides protection for a bright white finish.

100% ASBESTOS FREE. 10-year limited warranty.

USES

This quality white elastomeric coating is ideal for coating over asphalt and metal roofing, including galvanized aged at least 6 months and pre-painted metal roofing. Its highly elastic qualities help ensure performance. It provides a weather-resistant shield over the surface, reflects harmful ultraviolet and infrared radiation, and withstands thermally induced stresses. Its highly-reflective surface reduces surface temperatures and cooling costs. Staining of light oils is possible over some asphalt surfaces.

PRECAUTIONS

Wear protective clothing, gloves, and OSHA-approved eye protection. When not in use, securely replace lids on open containers. Store in a cool, dry place (above 32°F) away from heat and corrosion sources.

APPLICATION RATE

BUR/Modified Roofing: 2 gallons per 100 sq. ft.

Metal Surfaces: 1.25 gallons per 100 sq. ft.

Condition of roof surface will affect coverage rates. Stated application rates are intended as minimums.

APPLICATION

SURFACE PREPARATION

To prepare the surface for application, thoroughly sweep and rinse the roof to remove all dust and dirt. If necessary, scrub the roof with a solution of TSP (trisodium phosphate) or other mild detergent to remove any oil or grease that may be on the surface.

PONDED WATER

This product is not suitable for ponded water applications. Proper and adequate roof drainage is required.

METAL ROOFS

Remove all rust by scraping or brushing with a wire brush to clean the affected areas. Replace and/or tighten screws or fasteners as necessary. Prior to applying white acrylic primer, apply a quality metal primer that includes rust inhibitive pigmentation to rust areas only. A quality rust inhibitive primer will include one or more of the following: calcium borosilicate, strontium zinc phosphosilicate, or zinc chromate. Follow metal primer manufacturer's application instructions.

COATING APPLICATION

A three-step process of Prime, Patch/Reinforce (as required), and Coat should be utilized in ALL applications. Use TAM-STAR White Acrylic Primer, TAM-STAR White Patching Cement and TAM-STAR White Mesh to help prepare the surface prior to application of the coating. Apply according to application instructions.

Prime the surface according to primer application instructions. Use fabric and patching cement to repair cracks, holes, open seams, or around flashings. Apply coating with a roofing brush, long nap roller, or suitable airless spray equipment. To ensure optimum performance, apply two coats, each coat at 1/2 the total coverage rate and applied perpendicular to each other. Allow first coat to dry 2-4 hours prior to application of second coat.

Outside temperature must be 50°F and rising before application. In hot conditions, when ambient air temperature is 95°F or above, lightly spray the roof with water to prevent rapid drying. It is OK to apply coating over damp surfaces but not on standing water. Allow 4-6 hours to dry before being subjected to rain, heavy dew, or temperatures below 50°F. If rain or dew develops within 4-6 hours prior to the roof drying and coating run off occurs, the affected areas must be recoated.

THIS PRODUCT MUST BE USED WITHIN ONE YEAR OF THE DATE OF ITS PURCHASE. STIR THOROUGHLY BEFORE AND DURING USE. DO NOT THIN. FOR EXTERIOR USE ONLY

**PRODUCT FREEZES AT 32°F
AND MUST NOT BE USED
OR STORED ABOVE 140°F.**

CONTINUED

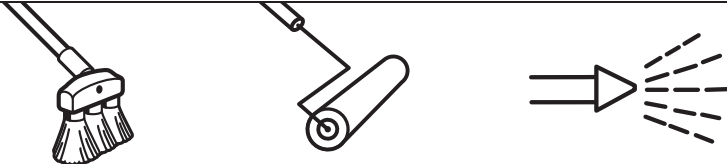
Central District	220 West 4th Street, Joplin, Missouri 64801	800-641-4691
Northeast District	4500 Tamko Drive, Frederick, Maryland 21701	800-368-2055
Southeast District	2300 35th Street, Tuscaloosa, Alabama 35401	800-228-2656
Southwest District	7910 South Central Expressway, Dallas, Texas 75216	800-443-1834
Western District	5300 East 43rd Avenue, Denver, Colorado, 80216	800-530-8868

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TAMKO[®]
BUILDING PRODUCTS

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APPLICATION METHOD
Roofing Brush, Long Nap Roller or Airless Sprayer

AIR ATOMIZED SPRAY


METHOD	ATOMIZING PRESSURE
Pressure	1500 PSI
FLUID TIP	FLUID DELIVERY
.035" — .055"	1—3 Gal per Min.

CERTIFICATIONS

- Miami-Dade County Florida NOA: 10-0126.02
Expiration Date: 05/26/2015
- Florida Building Code approved, FL13281-R1

TYPICAL PROPERTIES

	TEST METHOD	RESULT
Wt/gal, lbs.	D2939	11.3-11.8
Solids % by wt.	D1644	65-68
% by vol.	D2697	52-56
Viscosity @ 77° cps	Brookfield RVT, 10 rpm, #4 spindle	22,000-27,000
pH	N/A	8-10
Flash Point, °F	PMCC	None
Color, Cured	Visual	white
Drying time, Touch	70°F/50% R.H.	2-4 hours
Solar Reflectance	C1549	.84
Shelf Life	70°F/50% R.H.	1 year
VOC	EPA Method 24A	20 gm/liter max.
Elongation %	D 412	200 min.
Tensile Strength, psi	D 412	300 min.



	Initial	Weathered
Solar Reflectance	0.85	0.74
Thermal Emittance	0.90	0.92

Rated Product ID 0714-0031
Licensed Manufacturer ID 0714
Classification Production Line

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacture of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.



CAUTION: This product contains crystalline silica. Crystalline silica has been classified as a "known" human carcinogen by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. This product also contains titanium dioxide. IARC has classified titanium dioxide as a "possible" human carcinogen. The physical nature of this product may help limit any inhalation or dermal hazard during application and/or removal. However, physical forces such as sawing, grinding or drilling during installation and demolition work and heating or burning may increase the inhalation or dermal exposure hazard of this product. Take precautions to prevent breathing dust from the product.

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