TAM☆STAR
WHITE ELASTOMERIC COATING

DESCRIPTION
A brilliant-white mixture of 100% acrylic copolymers and reflective pigments. The high concentration of titanium dioxide pigment and acrylic copolymers provide years of protection from harmful ultraviolet and infrared radiation. It beautifies and protects the roof's surface, reflecting up to 84% of the sun's rays. 100% ASBESTOS FREE. 7-year limited warranty.

USES
This excellent-quality white elastomeric coating is ideal for coating over asphalt and metal roofing, including galvanized aged at least 6 months and prepainted metal roofing. Its highly elastic qualities help ensure years of 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.

PRODUCT NUMBER
30001363 - 5 gal.
30001362 - 1 gal.

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.

NOTE: STIR THOROUGHLY BEFORE AND DURING USE. KEEP FROM FREEZING.

PRODUCT FREEZES AT 32°F AND MUST NOT BE USED OR STORED ABOVE 140°F.
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APPLICATION METHOD
Roofing Brush, Long Nap Roller or Airless Sprayer

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight/gal, lbs.</td>
<td>D2939</td>
<td>10.3-10.7</td>
</tr>
<tr>
<td>Solids % by wt.</td>
<td>D1644</td>
<td>54-58</td>
</tr>
<tr>
<td>Viscosity @ 77º cps</td>
<td>D2697</td>
<td>44-48</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
<td>8-10</td>
</tr>
<tr>
<td>Flash Point, ºF</td>
<td>PMCC</td>
<td>None</td>
</tr>
<tr>
<td>Color, Cured Visual</td>
<td>Visual</td>
<td>White</td>
</tr>
<tr>
<td>Drying time, Touch</td>
<td>70ºF/50% R.H.</td>
<td>4-6 hours</td>
</tr>
<tr>
<td>Solar Reflectance</td>
<td>C1549</td>
<td>.84</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>70ºF/50% R.H.</td>
<td>1 year</td>
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</table>

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Initial</th>
<th>Weathered</th>
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</thead>
<tbody>
<tr>
<td>Solar Reflectance</td>
<td>.84</td>
<td>.58</td>
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<tr>
<td>Thermal Emittance</td>
<td>.91</td>
<td>.92</td>
</tr>
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</table>

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.

AIR ATOMIZED SPRAY

METHOD
Pressure

ATOMIZING PRESSURE
1500 PSI

FLUID TIP
.035" — .055"

FLUID DELIVERY
1—3 Gal per Min.

TAMKO® is a registered trademark of TAMKO Building Products, Inc.