

990

FOREVER-COAT SILICONE ROOF COATING

DESCRIPTION:

PRODUCT NO. 990 FOREVER-COAT is a 100% silicone, RTV moisture cure, waterproof roof coating which forms a monolithic barrier to the effects of degradation caused by normal weathering, aging and ultraviolet exposure. PRODUCT NO. 990 FOREVER-COAT has excellent durability, color stability and chalk resistance. It is typically used as a protective coating for polyurethane foam or metal and new or existing roofs.

USES:

PRODUCT NO. 990 FOREVER-COAT can be directly applied over most previously coated roof surfaces as well as exposed spray polyurethane foam, TPO, or EPDM follow surface preparation instructions below.

SURFACE PREPARATION:

All surfaces to be coated should be free of dirt, dust, chalking paint, mortar spatter, all loose rust, all loose mill scale, old caulking, grease, oil, release agents, curing compounds, laitance and other foreign matter including frost. Surfaces should be power washed with PRODUCT NO. 750 MULTI-PURPOSE CLEANER or other appropriate detergent and rinsed prior to coating. On asphalt based substrates, one coat of Tucson Rubberized Coatings Product No. 297-X X-Treme Primer is highly recommended to prevent discoloring. Roof surfaces need to be clean and dry. A 20 mil thickness will skin over in about 60 minutes and have sufficient strength to walk on for application of a second coat in about 4 to 6 hours.

APPLICATION:

MIXING: PRODUCT NO. 990 FOREVER-COAT is supplied as a one-part coating (no component mixing necessary). Mix by an air powered agitator (300 – 400 rpm) for a minimum of 5 minutes, to ensure an even consistency of coating is obtained without air in suspension.

APPLICATION: The temperature of the surface to be coated should be between 41 and 120°F (5 and 60°C) and environmental temperature should be at least 5°F (3°C) above the dew point prior to and during application. When working with PRODUCT NO. 990 FOREVER-COAT in high humidity and/or high temperature environments, it is recommended to use a pail lid adapter fitted with an agitator. This will prevent the product from skinning over and curing in the pail during application. It is recommended that PRODUCT NO. 990 FOREVER-COAT be applied using an airless sprayer; however, brush, squeegee or roller are also suitable methods of application. It is necessary to apply at a rate that will achieve a minimum of 20 mils (508 µm) DFT. PRODUCT NO. 990 FOREVER-COAT can be applied in a single coat withstanding blistering and providing superior adhesion. Roller and brush application will require multiple coats to achieve desired DFT even if the coverage is adequate.

STORAGE:

Shelf Life: 24 months from date of manufacture in the original unopened container below 90°F (32°C). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat or ignition. May be stored below freezing.

CLEAN-UP:

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with an equipment cleaner, naphtha or mineral spirits. Fully cured coating is environmentally benign (will not harm) and is suitable for landfill disposal. However, always check local environmental regulations before disposal.

HANDLING PRECAUTIONS:

Product safety information required for safe use is not included. Before handling, read product safety data sheets and container labels for safe use, physical and health hazard information. Safety data sheets are available on the TRC website at www.rubberized.com. You can also obtain a copy from one of our local TRC stores.

PHYSICAL PROPERTIES:

Silicone Roof Coating with Excellent Adhesion and Versatility

Solids by Volume (%)	94%
Approximate Theoretical Coverage (One Coat)	1 gal/100sqft at 16 mils
Drying Time	At 50% relative humidity and 70°F; Touch: 4 hrs, Firm: 12 hrs
Skin-Over Time	68 minutes
Dry/Cure/Recoat Time	4-6 hours
Full Physical Characteristics	7 days
Elongation	>282%
Tensile Strength	>376 PSI
Tear Resistance	>22 lbf/in.
Adhesion to SPF	3.55 pli
Contains Low Temperature Flexibility Performance	4.44 perms

*NOTE: Percentages stated are + or - 5%


Approx. Shipping Weights: (All approximate weights include container) 5-gallon bucket weight approximately 58 lbs.

APPROVALS & CERTIFICATIONS:

Cool Roof Coating Council (CRRC) rated Product ID# 1346-0004
ASTM D6694 Standard Specification for Liquid-Applied Silicone Coating
Used in Spray Polyurethane Foam Roofing Systems

LIMITED WARRANTY AND DISCLAIMER:

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact TRC to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Liability, if any, is limited to replacement of product unless installed by an approved contractor in accordance with TRC warranty procedures and program. For limited manufacturer's warranty and disclaimer information, visit our website at: www.rubberized.com.

	Rated Product ID #: 1346-0004 (smooth)													
		<table border="1"> <tr> <td></td> <td>Smooth</td> <td>Rough</td> </tr> <tr> <td></td> <td>Initial / Aged</td> <td>Initial / Aged</td> </tr> <tr> <td>Solar Reflectance</td> <td>0.85 / 0.72*</td> <td>Not Rated</td> </tr> <tr> <td>Thermal Emittance</td> <td>0.89 / 0.89*</td> <td>Not Rated</td> </tr> </table>		Smooth	Rough		Initial / Aged	Initial / Aged	Solar Reflectance	0.85 / 0.72*	Not Rated	Thermal Emittance	0.89 / 0.89*	Not Rated
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<p>The ratings above are subject to CRRC rating program conditions, requirements and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating requirements and limitations. For the purposes of a CRRC rating, a rough substrate is defined as a surface that is equally coarse or coarser than a new (i.e., unweathered) #11 granulated modified bitumen sheet.</p>														