

ROOF X TENDER® 700 PREMIUM WHITE 100% ACRYLIC COOL ELASTOMERIC COATING

DESCRIPTION:

ROOF X TENDER® 700 Premium White Acrylic Cool Roof Coating is a state-of-the-art, high performance coating designed to protect, preserve and extend roof life. ROOF X TENDER® 700 drastically reduces roof top temperatures helping to minimize energy usage and cooling costs. This coating contains premium resins and polymers for added flexibility and durability resulting in extended performance. It also contains premium biocides to help prevent the formation of mildew and mold well as select titanium dioxide for added reflectivity and a whiter film. Application of this coating also reduces heat build up in the roof membrane and can greatly extend the life of existing roofing materials so they last longer, save the building owner money, protect your valuable assets and reduce life cycle costs associated with your building.

PREPARATION:

All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel and peeling paint and all other foreign matter. Roofs must have proper ventilation and drainage. Rusty metal must be cleaned with a wire brush and primed with an approved metal primer before application of this product. Pressure washing entire surface is recommended for best results (use only a wide fan spray tip). If unavailable, use a garden hose with spray nozzle and push broom to clean & rinse roof surface. Repair all leaks, cracks and seams with RX-915 and polyester repair fabric in accordance with product instructions. Surfaces previously coated with aluminum, asphalt or tar should be allowed to cure for a minimum of one year prior to coating with any product. Surfaces with mildew growth or stains must be cleaned with bleach solution (2 parts water to one part bleach). Be certain all surfaces are thoroughly rinsed and dried prior to applying coating. DO NOT THIN. When installing new BUR or modified system, it is recommended to wait a minimum of 60 days prior to application of acrylic coatings to prevent asphalt bleed-through. Roof should be washed free of any foreign contaminants, oxidation, dirt, etc. before proceeding.

FOR BEST RESULTS:

Apply ROOF X TENDER® 300 Rubber Roof Seal WB prior to application or white coatings. For worn surfaces, embed one or more layers of polyester into ROOF X TENDER® 300 Rubber Roof Seal WB.

APPLICATION:

For exterior use only. Protective clothing, gloves, and eyewear should be used during application of this product. Always apply on a clear, warm sunny day. Apply in morning hours to allow maximum cure time. Application should be completed a minimum of 4 hours prior to sunset. Temperatures must be above 50 °F (for 24 hours) and rising, but not above 110 °F. Apply with brush or short nap exterior roller. Apply a smooth and continuous coat over all areas. Must be cured a minimum of 4 - 8 hours before applying ROOF X TENDER coatings. Fully cures in 4 hours at 70 °F & 50% relative humidity. Higher humidity, thicker films, poor air flow and lower temperatures will increase dry times. Coverage rate is 400 - 600 sq ft/gal, depending on surface type, texture, condition and porosity.

NOTE:

Use of polyester in waterways, low areas and drain areas in conjunction with ROOF X TENDER® 700 Premium White Acrylic Cool Roof Coating will help coating resist standing water and last longer than without polyester reinforcement. In these areas, it is recommended to embed polyester into ROOF X TENDER® 700 applied at the rate of 3 - 4 gallons per square. Embed polyester fabric into ROOF X TENDER® 700 with a push broom while coating is still wet. Overlap polyester 4" on side laps and 6" on end laps with coating applied between overlaps. Allow to cure and apply an additional 3 - 4 gallons per square of ROOF X TENDER® 700 over polyester in a two coat application.

CLEAN-UP:

Clean tools with warm water and soap.



- WHITEST & COOLEST
- EXCEEDS ENERGY STAR®
- DRASTICALLY REDUCES ROOF TEMPERATURES
- LOWERS COOLING COSTS

NOTE:

If roof becomes hot (over 100 °F) during application, lightly mist roof surface with water spray to prevent coating from drying too fast. Remove any excess or puddling water prior to coating. If roof surfaces become soiled as they age, due to the elements, elastomeric can be cleaned with a mild water and bleach solution. Excess scrubbing should be avoided. If coloring is desired, a typical addition of 3 - 4 ounces per gallon of Universal colorant can be added, which will result in light pastel colors. Note - Color tinting will disclaim warranty. Yearly inspection and maintenance will greatly enhance the life of the coating.

Weight Per Gallon	11.53 lbs.	
Solids by Weight	66%	
Solids by Volume	54%	
Reflectivity (CRRC)	.87 initial	.74 aged
Emissivity	89 initial	.90 aged
SRI	110 initial	92 aged
Permeability (ASTM D1653)	<15 perms	
Adhesion to Polyurethane Foam	Excellent	
Combustible Solvents	None	
Tool Application	Brush, Roller or Spray	
Surface Temperature	50°F - 120 °F (See Note)	
Tensile Strength (ASTM D2370)	275 - 375 psi.	
Viscosity	100 - 140 km	
Elongation (ASTM D562)	300 - 400%	
Elongation Post Weathering (%)	> 150%	
Flammability	None (water based)	
Skin Over (50% Relative Humidity, 70 °F)	4 - 8 hours	
Full Cure (50% Relative Humidity, 70 °F)	24 - 48 hours	
Clean-up Tools	Warm Water & Soap	

SHIPPING WEIGHTS:

5 gallons (18.9L)	VOC/VOS <50 g/L (regulatory)
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WATER	C.A.S.# 7732-18-5
LATEX POLYMER	C.A.S.# Mixture
TITANIUM	C.A.S.# 13463-67-7
CALCIUM CARBONATE	C.A.S.# 1317-65-3

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