

ROOF X TENDER® 700 PREMIUM WHITE ACRYLIC COOL ROOF 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 as 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.

APPLICATION:

Protective clothing, gloves, and eyewear should be used during application of these products. Surface and air temperatures must be a minimum of 50 °F. **DO NOT** apply if heavy dew or rain is expected within 24 - 48 hours. Apply on a clear, sunny day in morning hours with a long bristle brush, 3/4" nap exterior paint roller or professional airless sprayer. First, treat all seams, joints, penetrations, curbs, drains, flashings and other repairs according to details using RX-915 and Polyester or Fleece Back repair tape. Then apply two (2) uniform coats over entire surface, at the rate of 1.5 gallons per square per coat for a total of 3 gallons per square. Two full coats are recommended for all applications. Dries for recoat in 4 hours and fully cures in 24 - 36 hours at 70 °F & 50% relative humidity. Higher humidity, thicker films, poor air flow and lower temperatures will increase dry times. Apply second coat perpendicular to first coat. Application should be completed a minimum of 4 hours prior to sunset. Peeling or delamination may occur in areas where ponding water or poor drainage exists. All roof surfaces should maintain proper drainage. Apply in accordance with NRCA Guidelines. For most recent guide specifications visit www.roofxtender.com.

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.

SUNLIGHT:

Reflection of sunlight from light colored or white roof coatings necessitates the use of dark glasses to protect the eyes during application. Sun block should also be used to prevent sunburn and skin damage.

STORAGE & HANDLING PRECAUTIONS:

Do not store at temperatures below 50 °F. **DO NOT** allow stored product to freeze. Keep closed when not in use. When transporting this product, ensure that lid is tight and pail secure and upright. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. The manufacturer also disclaims liability for flat surface application where poor drainage or ponding of water may prevail. Dispose of in an environmentally acceptable manner. Seal container when not in use.

CLEAN-UP:

Clean tools with paint thinner or mineral spirits.



- WHITEST & COOLEST
- EXCEEDS ENERGY STAR®
- ULTRA HIGH PERFORMANCE



COMPLIANCE:

CRCR, Energy Star, Miami-Dade County Product Control Approved.

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
61 lbs.	<50 g/L (regulatory)

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

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.

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. Note - Color tinting will disclaim warranty. Yearly inspection and maintenance will greatly enhance the life of the coating.



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