

PRODUCT DATA SHEET



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



RX-700 PREMIUM WHITE WB 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 a rust stop 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 an approved elastomeric or acrylic patching compound 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 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 Roof X Tender Mastic, Polyester and Repair Tapes. 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. DO NOT allow stored product to freeze. Apply in accordance with NRCA Guidelines. For most recent guide specifications visit www.rooftender.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.

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.

PRECAUTIONS:

Do not store at temperatures below 50°F. Do not allow stored product to freeze. When transporting this product, ensure that lid is tight and pail secure and upright. Do not allow pail to tumble as this may cause the 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. Do not store at temperatures above 110°F. Seal container when not in use. This manufacturer disclaims liability where poor drainage or ponding water exists as defined by the NRCA. Do not reuse empty containers. For exterior use only. Not for use on some single ply membranes. Dispose of in an environmentally acceptable manner. Do not use in drinking water or food systems. Seal container when not in use.

CLEAN-UP: Warm water and soap immediately after use.

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.

CALIF. PROP. 65 • CHEMICAL WARNING (CALIFORNIA HEALTH AND SAFETY CODE #25249.5 ET SEQ.) WARNING:

This product contains chemicals known to the State of California to cause cancer, birth defects or reproductive harm. Use proper protection and adequate ventilation, when using product.

CAUTION:

MAY BE HARMFUL OR FATAL IF SWALLOWED. EYE, SKIN AND RESPIRATORY IRRITANT. Use with adequate ventilation. Keep out of the reach of children.

SPECIFICATION DATA: CRRC Listed, Title 24, Energy Star. Exceeds Performance Requirements of ASTM D 6083. Miami-Dade County Product Control Approved.

Weight Per Gallon	11.53 lbs.	Surface Temperature	50°F - 120°F (See Note Above)
Solids by Weight	66%	Tensile Strength (ASTM D-2370)	275 - 375 psi.
Solids by Volume	54%	Viscosity (ASTM D-2697)	100 - 140 ku
Reflectivity (ASTM C-523)	.87 (CRRC)	Elongation (ASTM D-562)	300 - 400%
Emissivity	.89	Elongation, post weathering (%)	> 150%
LEED SRI (Oak Ridge Calculator)	110	Flammability	None (water based)
Permeability (ASTM D-1653)	< 15 perms	Clean-up Tools	Warm Water and Soap
Adhesion to Polyurethane Foam	Excellent	Skin Over	(50% Relative Humidity, 70°F)
Combustible Solvents	None		4 - 8 hours
Consistency	Brush, Roller or Spray	Full Cure	(50% Relative Humidity, 70°F)
			24 - 48 hours

NOTE: Percentages may vary +/- 10%

SHIPPING WEIGHTS:

5 gallons (18.9L)	VOC/VOS
61.0 lbs.	25 g/l max. (0.9 lbs./gal.)
55 drums (208.2L)	
700 lbs.	

WATER	C.A.S.# 7732-18-5
LATEX POLYMER	C.A.S.# Mixture
TITANIUM DIOXIDE	C.A.S.# 13463-67-7
CALCIUM CARBONATE	C.A.S.# 1317-65-3
ETHYLENE GLYCOL	C.A.S.# 107-21-1
ZINC OXIDE 9004-34-6	C.A.S.# 1314-13-2

PRODUCT IS ASBESTOS FREE

