

# ROOF X TENDER<sup>®</sup> 800

## SolaBrite ACRYLIC Cool Roof Coating

### DESCRIPTION:

ROOF X TENDER<sup>®</sup> 800 SolaBrite Acrylic Cool Roof Coating is a state-of-the-art, high performance coating designed to protect, preserve and extend roof life. ROOF X TENDER<sup>®</sup> 800 drastically reduces roof top temperatures helping to minimize energy usage and cooling costs. This coating contains premium resins and polymers for added flexibility as well as select titanium dioxide for added reflectivity and coverage properties. 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 are more durable and last longer.

### 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). **NOTE: Single Ply membranes must first be powerwashed and then cleaned with approved detergent / cleaner. Once cleaned and dry, apply an approved RXT Single Ply Primer prior to application of RXT-800. Primer required varies depending on existing roof substrate.** 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.**

### 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 RXT-915 and Polyester or RXT 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. Due to plasticizer migration and the variation in composition of single ply membranes, peel adhesion test must be completed on all single ply membranes with results submitted for approval prior to application of product if a warranty is required. Not for use on newly installed single ply membranes. **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:** On built up and modified membranes, apply ROOF X TENDER<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 800 SolaBrite 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<sup>®</sup> 800 applied at the rate of 3-4 gallons per square. Embed polyester fabric into ROOF X TENDER<sup>®</sup> 800 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<sup>®</sup> 800 over polyester in a two coat application.

### PRECAUTIONS:

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.

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



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



Do not store at temperatures below 50°F. 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. Do not reuse empty containers. Dispose of in an environmentally acceptable manner. Do not use in drinking water or food systems. Seal container when not in use.

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: Exceeds Performance Requirements of Title 24, ASTM D 6083, Miami-Dade County Product Control Approved

Weight Per Gallon	Brush, Roller or Spray
11.53 lbs.	Surface Temperature
Solids by Weight	50°F - 120°F
60 - 64%	Tensile Strength (ASTM D-2370)
Solids by Volume	200 - 250 psi.
50 - 52%	Viscosity (ASTM D-2697)
Reflectivity (ASTM C-1549)	100 - 140 ku
.94 (CRRC)	Elongation (ASTM D-562)
Emissivity (ASTM C-1371)	250 - 350%
.89 (CRRC)	Elongation, post weathering (%)
LEED Emissivity (ASTM E-408)	> 150%
.89 (CRRC)	Flammability
LEED SRI (Oak Ridge Calculator)	None (water based)
120	Clean-up Tools
Permeability (ASTM D-1653)	Warm Water and Soap
< 15 perms	Cure Time
Adhesion to Polyurethane Foam	(50% Relative Humidity, 70°F)
Excellent	4 - 8 hours
Combustible Solvents	Full Cure
None	(50% Relative Humidity, 70°F)
Consistency	24 - 48 hours

\*Percentages may vary +/- 10%

### SHIPPING WEIGHTS:

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

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	

