

ROOF X TENDER® 500

WHITE ELASTOMERIC™ COOL ROOF COATING

DESCRIPTION:

Roof X Tender® 500 White Elastomeric Cool Roof Coating is a flexible, white elastomeric roof coating designed to cool roof surfaces and extend roof life. Roof X Tender 500 White Elastomeric Cool Roof Coating provides a reflective barrier which prevents the sun's heat and destructive UV rays from deteriorating roof surfaces. It also blocks heat build-up in roof membranes, which leads to a reduction of roof temperatures and helps reduce cooling costs.

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 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 to clean & rinse roof surface. Repair all leaks, cracks and seams with an Elastomeric Rubber 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 summer season prior to coating with this 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. Product can be spray applied with a professional quality airless sprayer. **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 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.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 and then apply Roof X Tender 500 White Elastomeric Cool Roof Coating.

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 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 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 also disclaims liability for flat surface application where poor drainage or ponding may prevail. For exterior use only. Not for use on EPDM or some single ply membranes.

CLEAN-UP:

Warm water and soap immediately after use.



- COOL WHITE COATING
- MEETS ENERGY STAR®
- REDUCE ENERGY USAGE



COMPLIANCE:

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

Weight Per Gallon	10.4 lbs/gal
Solids by Weight	62%
Solids by Volume	50%
Reflectivity (CRRC)	83 initial .72 aged
Emissivity	.86 initial .88 aged
SRI	104 initial 88 aged
Permeability (ASTM D1653)	<25 perms
Adhesion to Polyurethane Foam	Good
Combustible Solvents	None
Tool Application	Brush, Roller or Spray
Surface Temperature	50 °F - 120 °F (See Note)
Tensile Strength (ASTM D2370)	200 - 250 psi.
Viscosity	110 - 120 km
Elongation (ASTM D562)	250 - 300%
Elongation Post Weathering (%)	> 100%
Flammability	None (water based)
Skin Over (50% Relative Humidity, 70 °F)	4 - 8 hours
Full Cure (50% Relative Humidity, 70 °F)	24 - 36 hours

NOTE: Percentages may vary +/- 10%

SHIPPING WEIGHTS:

5 gallons (18.9L)	VOC/VOS
56 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
MINERAL SPIRITS	C.A.S.# 8052-41-3

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.



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