



Super Shield Roof One Coat

Product Data

PRODUCT DESCRIPTION

ROOF ONE COAT is a self priming ceramic elastomeric roof coating. The high build design is ideal for one coat coverage and protection. Formulated with a high resin load, **ROOF ONE COAT** offers great adhesion without the need of a separate primer. Ceramic microspheres and titanium dioxide result in a coating with excellent reflectivity and thermal insulation. **ROOF ONE COAT** forms a thick rubber-like membrane that seals out water and expands and contracts with temperature changes and building movement. Along with excellent tensile strength, it will extend the life of roof. The beautiful solid finish resists mildew and algae. The coating is an inexpensive alternative to reroofing and will help save on cooling costs.

PRODUCT USES

ROOF ONE COAT is ideal for most sloped roofing surfaces. It is ideal and has excellent adhesion on concrete, asphalt, primed metal, clay tile, masonry tile, bonded roof gravel, bitumen membranes, aluminum, Styrofoam, slate and various other roofing sub straights. **ROOF ONE COAT** is not ideal for un-sloped roofs or ponding water. A slope of 4% (1 inch per 24 inches) in wet climates and 2% in arid climates is required for a full warranty. For flat roofs and ponding water conditions, use the standard **ROOF ONE COAT** with **APS** primer.

SURFACE PREPARATION

A clean dry surface is required. Clean roof by thoroughly washing with water and a chlorine mixture. Existing dirt, grease, oils, mildew, fungus, and algae must be removed. Existing leaks must be fixed and all holes, cracks, and seams must be sealed (see **RHINO PATCH** and **RHINO TAPE**).

METAL

RHINO RED IRON OXIDE PRIMER must be used on rusted or uncoated metal. Inquire with AmCoat before coating metal roofs for full instructions.

APPLICATION PROCEDURE

Stir well and do not thin. Temperatures must be above 45 degrees Fahrenheit, but not too hot. Do not apply when rain is expected within five hours. Use **RHINO SHIELD ADHESIVE PRIMER** at 150-300 square feet per gallon for the first coat. Once dry and the primer is translucent, apply two coats of **SUPER SHIELD** ceramic coating. Apply each coat by brush, roller or sprayer at 100-150 square feet per gallon. Apply the second coat in a perpendicular pattern for optimal water sealing. Never apply two coats in the same day. Allow 12 hours dry time minimum, longer in higher humidity. Do not over apply as product can split while curing.

SPREAD RATE

Minimum spread rate is 24 mils wet (75 square feet per gallon). A minimum dry film requirement of 12 mils is required for warranty compliance*. Although this coating is designed for one coat use and ease, there are times you will want to divide the application into two coats applied in a cross hatch pattern. The perpendicular coats will provide even better defense against water.

AIRLESS SPRAYER

Use at least a one gallon per minute piston type pump. Remove all line and gun filters before spraying and a tip size between .021 and .027.

CLEAN UP

Cleans up with warm soapy water. Clean up spills and overspray while the coating is still wet.



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PERFORMANCE DATA

TEST	ASTM	REQUIREMENT	RESULT	PASS/FAIL	TEST LAB
VISCOSITY	D563	82-141 KU	107	Pass	BASF
ELONGATION	D2370	100%	168	Pass	BASF
TENSILE STRENGTH	S2370	200 lb/sq inch	464	Pass	BASF
VAPOR TRANSMISSION	D1653	<50 US Perms	19	Pass	BASF
WATER SWELLING	D471	<20%	6%	Pass	BASF
LOW TEMPERATURE FLEXIBILITY	D522	Full Bend	Pass	Pass	BASF

**Based on SuperShield Roof One Coat at 12 mils thickness.*

TECHNICAL DATA

FINISH	Matte
COLOR	Bright white
VEHICLE TYPE	Copolymer Emulsion
SOLIDS BY WEIGHT	64% +/- 2%
SOLIDS BY VOLUME	51% +/- 2%
V.O.C.'S (AVG'S)	45 grams/Liter
SPREAD RATE	50 to 75 sq ft/Gal
DRY TO TOUCH	2 to 4 hours
RECOAT	12 hour minimum
CURE TIME	One week
SIZES	5 Gallons, 55 Gallons
GALLON WEIGHT	8.45 lbs +/- .3 lbs
DRY ADHESION ALUMINUM	3.5 lbs/in
DRY ADHESION CONCRETE	5.2 lbs/in
pH	8.45

**All data times are bases on ambient temperatures of 77 degrees Farenheit and relative humidity of 50%*

WARRANTY

SUPER SHIELD ROOF ONE COAT is warranted for ten years against cracking, peeling, or chipping. The product is not guaranteed to stop all leaks. Leaks must be prepared prior to the application. Warranty applies to sloped roofs as described above. Warranty only applies when coating is applied at the minimum dry mil thickness of 12.