



RoofGhard SPF Top Coat

Technical Data Sheet

DESCRIPTION AND USE

RoofGhard SPF Top Coat is a high-solids, heat-resistant, single-component water-borne acrylic elastomeric coating. *ULTRA-FLEX 1000* is formulated to have excellent adhesion to polyurethane foam as well as other properly prepared construction surfaces. RoofGhard SPF Top Coat features include:

1. Ease of application
2. Outstanding UV resistance
3. Excellent low temperature flexibility
4. Non-flammable; water clean-up
5. Excellent dirt pickup resistance
6. Excellent fungus & mildew growth resistant

COLORS

Standard colors are White, Dark Gray, Light Gray. Other colors are available on special order.

COVERAGE

RoofGhard SPF Top Coat has a theoretical dry film thickness of 8.6 mils when applied at 1 gallon per 100 square feet.

STORAGE STABILITY

RoofGhard SPF Top Coat has a minimum shelf life of one year when stored at temperatures between 40°F and 80°F. Caution should be exercised to prevent material from freezing.

THINNER

RoofGhard SPF Top Coat should be applied directly from the container without thinning.

PRIMER

Sprayed Foams: No primer necessary. Consult manufacturer for application to other surfaces.

APPLICATION INSTRUCTIONS

RoofGhard SPF Top Coat must be mixed thoroughly prior to application to assure uniformity. All special colors should be mixed prior to application to assure uniform dispersion of the pigments. RoofGhard SPF Top Coat may be applied by brush or roller, and by either conventional or airless spray equipment. Surfaces to which RoofGhard SPF Top Coat is to be applied shall be free of water, grease, oils, dirt, debris, and other foreign materials.

CREDENTIALS AND CERTIFICATIONS

RoofGhard SPF Top Coat is classified as Class A by Underwriters Laboratories in accordance with UL-790 and is an integral component of numerous roof deck assemblies under UL File #14330.

RoofGhard SPF Top Coat is evaluated by ICC-ES in ESR 3239.

RoofGhard SPF Top Coat is listed by the California State Fire Marshall.

RoofGhard SPF Top Coat exceeds all the minimum requirements for ATSM D6083 and is Title 24 compliant.

CURE TIMES

RoofGhard SPF Top Coat, when applied at 22 wet mils and at conditions of 75°F and 50% relative humidity, will dry to the touch in 4 hours, may be recoated in 12 hours, and will reach final cure in 30 days. Colder weather and/or higher humidity will retard curing, where as hotter weather and/or lower humidity will accelerate curing.

Note: A quick set version is available upon request.

RECOMMENDED THICKNESS

RoofGhard SPF Top Coat, when used as a protective membrane over polyurethane foam, should be applied to a minimum of 24 dry mils in two applications. Coarse or textured surfaces may require more coating to obtain the desired dry film thickness.

NOMINAL PROPERTIES ASTM D6083

PHYSICAL PROPERTY	TEST METHOD	REQUIREMENT	VALUE
Solids by Volume	ASTM D2697	> 50	54%(+/-2)
Solids by Weight	ASTM D1644	> 60	66%
Flash Point	ASTM D56 ASTM	No Reference	>212°F 125
Initial Elongation (%)	D2370 ASTM	100 Minimum	(+/-25) 310
Initial Tensile Strength (psi)	D2370 ASTM	200 Minimum	(+/-50) 3.5
Dry Adhesion (pli)	C794, D903 ASTM	No Reference	2.9
Wet Adhesion (pli)	C794, D903 ASTM	2 Minimum	70
Tear Resistance (lbf / in)	D624 ASTM D4798	> 60	
1000 hr Accelerated Weathering	ASTM D2370	No Cracking or Checking	No Cracking or Checking
Elongation After Accelerated Weathering (%)	ASTM D522	100 Minimum	125 (+/-25)
Low Temperature Flexibility After Accelerated Weathering	ASTM D1653	Pass 1/2" Mandrel @ - 15°F	Pass
Permeance (perms)	ASTM D471 ASTM	50 Maximum	6
Water Swelling (%)	G21 ASTM D2794	20 Maximum Zero	10
Fungi Resistance (zero = No Growth)	ASTM D-412	Rating	Zero Rating
Impact Resistance	ASTM D-2240	No Reference No	>160
Tension Set @ 100%		Reference No	0%
Durometer hardness: Shore A		Reference	65-75

The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to that description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors.

WEATHERING AND ULTRAVIOLET RESISTANCE

RoofGhard SPF Top Coat had excellent appearance with no significant discoloration, checking, cracking, delamination or loss of flexibility and only slight chalking after 8,000 hours QUV accelerated weathering.

SAFETY, HEALTH & TOXICITY DATA

RoofGhard SPF Top Coat is intended for application only by professional trained applicators. Avoid breathing of vapor or spray mist. Care should be taken to exclude all personnel not directly involved with the spray application. RoofGhard SPF Top Coat should not be applied when the wind is of sufficient velocity to cause overspray of adjacent areas, buildings or people.

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