

Description

TopGard 5000 is a 100% acrylic elastomeric coating. It is especially effective in colder climates where extra levels of low temperature flexibility are required. TopGard 5000 exceeds ASTM D 6083 requirements for critical properties such as tensile strength, elongation, wet adhesion and weatherability.

Use

TopGard 5000 is used as an excellent reflective coating over smooth or mineral-surfaced roofing systems. It can be used over both modified and built-up roofing systems.

Application

When applying TopGard 5000, use a brush, roller or spray equipment. Make sure that all surfaces are clean, dry and free of any dirt, grease, oil or other debris that may interfere with proper adhesion. It is recommended that TopGard 5000 be applied in two coats. The first coat should be completely dry (normally 4 to 12 hours) before applying the second coat.

Temperatures must be 50°F (10°C) and rising during time of application. Do not apply TopGard 5000 within 24 hours of anticipated rain, dew or freezing temperatures. As with any coating, cooler temperatures and high humidity will slow the cure time.

Advantages

- Fully adhered installation
- 100% acrylic durability
- Energy savings
- Prolonged roof life
- Reduced life cycle costs
- Can be used within 24 hours of roof membrane installation when used with TopGard Base — no roof membrane cure period required.



Energy and the Environment

Color	Solar Reflectance		Thermal Emittance		SRI	
	Initial	3 Year	Initial	3 Year	Initial	3 Year
White	0.83	0.73	0.88	0.95	104	91
Tan	0.72	0.59	0.92	0.92	89	71

- UL® 790 Class A Rating
- FM Global Standard 4470 Class 1 Fire, Windstorm and Hail Classification
- California Title 24 Compliant
- ENERGY STAR® Rated (Valid in U.S. only)

Coverage

Type of Roof	Coverage Rate (per coat)* 100 ft² (9.29 m²)
Smooth surfaces	1 - 1.5 gal (4 - 6 l)
Mineral surfaces	1.5 - 2 gal (6 - 8 l)

* Coverage rates depend upon weather conditions and substrate. Refer to specific code agency Web sites for exact construction information.

Note: When TopGard 5000 is applied as a two-coat process, total cured coating thickness will be approximately 20 mil (0.5 mm).

Packaging

- 5 gal (18.9 l) pails (approximate weight: 60 lb [27.2 kg])
- 55 gal (208 l) drums (approximate weight: 673 lb [305.3 kg])
- 275 gal (1,041 l) totes (approximate weight: 3,290 lb [1,492.3 kg])

Shelf Life

The shelf life of the TopGard products is one year, provided the cans are unopened and have been stored under moderate conditions.

Tested in accordance to ASTM D 6083

Physical Properties

Property	Value
Initial Tensile Strength	235 psi (1.6 MPa)
Initial Elongation	245%
Dry Adhesion	8.5 pli
Wet Adhesion	3.5 pli
Tear Resistance	80 lbf/in (14 kN/m)
1,000-hr Accelerated Weathering	No cracking or checking
Tensile Strength After Accelerated Weathering	170 psi (1.2 MPa)
Elongation After Accelerated Weathering	230%
Low Temperature Flexibility After Accelerated Weathering	Pass
Permeance (perms)	15
Water Swelling	10
Fungi Resistance (Zero – No Growth)	Zero rating
Volume Solids	55% ± 1%
Weight Solids	69% ± 1%
Viscosity	120 ± 10
Density	1.42 g/l
Weight	11.8 lb/gal (1.4 kg/l)
Non-volatiles (NVMS)	65% ± 1%

Refer to the Material Safety Data Sheet and product label prior to using this product.

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(Replaces 12-08)