

**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**

ENERGY STAR®	Pass	Reflectivity: 0.83*	
California Title 24	Pass	Reflectivity: 0.83*	Emissivity: 0.88
LEED®		Reflectivity: 0.83*	Emissivity: 0.88
		Sustainable Sites (credits 5.1, 5.2, 7.1, 7.2)	
		Energy and Atmosphere (prerequisite 2 and credit 1)	
*Solar Reflectance Index (SRI) is 102. SRI is tested in accordance with ASTM E 1980.			

**Approvals**

- UL® 790 Class A Rating
- FM Global® Standard 4470 for Class 1 Fire, Windstorm, & Hail Classification
- California State Fire Marshall

**Coverage**

Type of Roof	Coverage Rate (per coat)*
Fiber glass felts	65 - 100 ft <sup>2</sup> /gal (1.60 - 2.45 m <sup>2</sup> /l)
Smooth-surfaced modified sheets	65 - 100 ft <sup>2</sup> /gal (1.60 - 2.45 m <sup>2</sup> /l)
Mineral-surfaced BUR/modified sheets	50 - 70 ft <sup>2</sup> /gal (1.23 - 1.72 m <sup>2</sup> /l)
SPF/Metal	50 - 70 ft <sup>2</sup> /gal (1.23 - 1.72 m <sup>2</sup> /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.....	Pass
Accelerated Weathering	
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 5-08)