



TopGard® Base Coat

Description

TopGard Base Coat is a 100% acrylic elastomeric coating engineered for superior adhesion to BUR, smooth and/or granulated modified bitumen roofing products.

TopGard Base Coat also provides outstanding “bleed blocking” over hot asphalt and asphalt emulsion systems. Formulated with advanced TopGard Base Coat technology, TopGard Base Coat exceeds several ASTM D 6083 requirements for critical properties such as elongation and weatherability. TopGard Base Coat is ideally suited as a base application in concert with TopGard® 4000 or TopGard® 5000 top coat application(s).

Use

TopGard Base coat is used as a bleed blocking roof coating over both modified and built-up roofing systems. It must be used as a two-part system with TopGard 4000 or TopGard 5000. TopGard Base acts as a bleed barrier, which makes it perfect for use over freshly installed smooth bituminous roofing products. There is no roof membrane cure time required prior to application of the coating.

Application

When applying TopGard Base Coat, 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. TopGard Base can be applied 24 hours following the roof installation. The TopGard Base coat should be allowed to dry (usually 4 to 12 hours) prior to applying the TopGard 4000 or TopGard 5000 top coat.

Temperatures must be 50°F (10°C) and rising during time of application. Do not apply TopGard Base 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

- Can be used within 24 hours of roof membrane installation — no roof membrane cure period required
- Guaranteed to withstand ponding water up to 7 days when product is properly installed and cured
- Additional waterproofing layer
- Fully-adhered installation
- Asphalt bleed blocking
- Optimum adhesion to APP modified bitumen
- 100% acrylic durability
- Prolonged roof life
- Reduced life cycle costs
- Renewable

Coverage

Type of Roof	Coverage Rate (per coat)* 100 ft ² (9.29 m ²)
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 Base is used in conjunction with TopGard 4000 or TopGard 5000 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: 662 lb [300.3 kg])
- 275 gal (1,041 l) totes (approximate weight: 3,235 lb [1,467.4 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	85 psi (0.6 MPa)
Initial Elongation	530%
Dry Adhesion	3.0 pli
Wet Adhesion	1.7 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	490%
Permeance (perms)	<3
Water Swelling	<20%
Fungi Resistance (Zero – No Growth)	Zero rating
Volume Solids	52% ± 1%
Weight Solids	65% ± 1%
Viscosity	110 ± 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.