

TopGard® 4000

Description

TopGard 4000 is a multi-purpose 100% acrylic elastomeric coating for use over a variety of substrates including asphalt, single-ply and metal roofing. TopGard 4000 has unique bleed-blocking properties that make it particularly well suited for coating over asphalt surfaces. TopGard 4000 exceeds several ASTM D6083 requirements for critical properties such as tensile strength, elongation, wet adhesion and weatherability.

Use

TopGard 4000 is used as an excellent reflective coating over smooth or granulated surfaced roofing systems on smooth roofs. It can be used over both modified and built-up roofing systems. For best results, this product should not be applied until the roofing membrane has had the opportunity to cure at least 60 days.

Application

When applying TopGard 4000 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 4000 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 4000 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
- Asphalt bleed blocking
- 100% acrylic durability

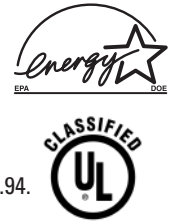


- Energy savings
- Prolonged roof life
- Reduced life cycle costs
- Environmentally friendly

Title 24
This product meets California Title 24 reflectivity & emissivity requirements.

Approvals

- TopGard 4000 meets or exceeds the emissivity and reflectivity requirements of California Title 24 as certified by CRRC (Cool Roof Rating Council) and that of LEED (Leadership in Energy and Environmental Design). It also meets reflectivity requirements on ENERGY STAR® and SPiRiT. Solar Reflectance is 83% and Emissivity is 0.94.
- UL 790 Class A Rating
- California State Fire Marshall



Coverage

Type of Roof	Coverage Rate (per coat) (100 sq. ft. [9.29 m ²])
Fiber glass felts	1 - 1½ gal. (3.8-5.7 liters)
Smooth surface modified sheets	1 - 1½ gal. (3.8-5.7 liters)
Granulated surface BUR/modified sheets	1½ - 2 gal. (5.7-7.6 liters)

Note: When TopGard 4000 is applied as a two-coat process, total cured coating thickness will be approximately 20 mils (.5 mm).

Packaging

- 5 gallon (18.9 liter) pails (approximate weight: 60 lbs. [27.2 kg])
- 55 gallon (208 liter) drums (approximate weight: 689 lbs. [312.5 kg])
- 275 gallon (1041 liter) totes (approximate weight: 3370 lbs. [1528.6 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 D6083 Physical Properties

Physical Properties	Result
Initial Tensile Strength (psi)	270
Initial Elongation (%)	260
Dry Adhesion (pli)	6.5
Wet Adhesion (pli)	5.0
Tear Resistance (lbf/in)	100
1000-hr Accelerated Weathering	No Cracking or Checking
Elongation After Accelerated Weathering (%)	220
Permeance (perms)	12
Water Swelling (%)	26
Fungi Resistance (Zero = No Growth)	Zero Rating
Volume Solids (%)	52 ± 1
Weight Solids (%)	66 ± 1
Viscosity (KU)	110 ± 10
Density (gms/liter)	1.43
Lbs/Gallon	11.9
% Non Volatiles	66 ± 1

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