

TopGard® 5000
Acrylic Elastomeric Coating

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 D6083 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 granulated 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
- Environmentally Friendly
- Can be used within 24 hours of roof membrane installation when used with TopGard Base – no roof membrane cure period required



Approvals

- TopGard 5000 (when used in conjunction with TopGard Base) 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 of ENERGY STAR® and SPiRiT. Solar Reflectance is 83% and Emissivity is 0.94.
- UL 790 Class A Rating
- Factory Mutual Standard 4470 for Class 1 Fire, Windstorm, & Hail Classification
- California State Fire Marshall



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

Coverage

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

Note: When TopGard 5000 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 kgs.])
- 55 gallon (208 liter) drums (approximate weight: 673 lbs. [305.3 kgs.])
- 275 gallon (1041 liter) totes (approximate weight: 3290 lbs. [1492.3 kgs.])

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	Result
Initial Tensile Strength (psi)	235
Initial Elongation (%)	245
Dry Adhesion (pli)	8.5
Wet Adhesion (pli)	3.5
Tear Resistance (lbf/in)	80
1000-hr Accelerated Weathering Elongation After Accelerated Weathering (%)	No Cracking or Checking 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 (KU)	120 ± 10
Density (gms/liter)	1.42
Lbs/Gallon	11.8
% Non Volatiles	69 ± 1

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