

Features and Components

Use: As a reflective top coat over a variety of substrates, including smooth or mineral surfaced asphalt-based systems, single ply and metal roofing.

Type: One-part acrylic elastomeric roof coating.

Colors: White, Tan

Features: Asphalt bleed blocking.
100% acrylic durability.
Energy savings.
Prolonged roof life.
Reduced life cycle costs.



Component

CO
Coating

Type

M
Membrane

Multi-Ply
Single Ply

System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS			
	HA	CA	HW	HA	CA	HW	SA	MF
<i>Compatible with all multi-ply systems above</i>								

Single Ply	TPO				PVC			EPDM	
	MF	AD	SA	IW	MF	AD	IW	MF	AD BA
<i>Compatible with the selected single ply systems above</i>									

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

Energy and the Environment

Color	Solar Reflectance		Thermal Emittance		SRI	
	Initial	3 Year	Initial	3 Year	Initial	3 Year
White	0.83	0.75	0.88	0.92	104	93
Tan	0.72	0.67	0.91	0.91	89	82

Physical Properties

Property*		TopGard 4000
Weight	Solids by Volume	52% ± 1%
	Solids by Weight	66% ± 1%
	Weight	11.9 lb/gal (1.4 kg/l)
	Viscosity @ 77°F (25°C)	110 ± 10 ku
	Density	1.43 g/l
	Non-volatiles (NVMs)	66% ± 1%
Strength	1,000 hr Accelerated Weathering	no cracking or checking
	Tensile Strength	270 psi (1.6 MPa)
	Elongation - initial/weathered	260% / 220%
	Dry Adhesion	6.5 pli
	Wet Adhesion	5.0 pli
	Tear Resistance	100 lbf/in (18 kM/m)
	Permeance (perms)	12
	Water Swelling	15%
Fungi Resistance (zero = no growth)	Zero Rating	

*Tested in accordance to ASTM D 6083

Codes and Approvals



CAN BE USED TO
COMPLY WITH 2019
TITLE 24
PART 6
COOL ROOF
REQUIREMENTS

Installation/Application



- Apply when temperature is 50°F (10°C) and rising.
- TopGard 4000 may be used as both a base coat and a top coat over metal roofs. When used over asphalt, modified bitumen and single ply roofing systems, TopGard Base Coat must be applied as a base coat prior to the application of the TopGard 4000.
- Please refer to detailed installation instructions on next page.

Packaging and Coverage

Container Sizes	5 gal (18.9 l) pail	55 gal (208 l) drum	275 gal (1,041 l) tote
Shipping Weight (approx.)	60 lb (27.2 kg)	673 lb (305.3 kg)	3,290 lb (1,492 kg)
Coverage Rate*	Smooth-surfaced: 65 - 100 ft ² /gal (1.6 - 2.5 m ² /l) Mineral-surfaced: 50 - 75 ft ² /gal (1.2 - 1.8 m ² /l)		

* Coverage, open and dry time rates can vary dramatically depending on the particular substrate and environmental conditions. Coverage rates stated herein are approximate only. If FM Global® or UL® approval is required, consult specific RoofNavSM or the UL Certifications Directory for specific application rates.

Storage

Shelf Life	12 months from manufacture date (unopened pail)
Storage Conditions	Clean, dry, indoor environment in an unopened or tightly sealed container
Temperature Range	40°F – 100°F (4°C – 38°C) Protect from freezing

Installation/Application Instructions

Apply when temperature is 50°F (10°C) and rising.

Can be used within 24 hours of roof membrane installation when used with TopGard Base, except when used over cold applied modified bitumen roofs. TopGard Base Coat should not be installed over a cold applied SBS or APP roof until the adhesive is fully cured.

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. Each coat should be applied at a wet mil thickness of 20mils (0.02"). When using TopGard 4000 in conjunction with TopGard Base Coat, the TopGard Base Coat must be applied first at a 20 wet mil thickness and allowed to dry completely (normally 4-12 hours) prior to the application of the TopGard 4000.

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.

Precautions

Avoid prolonged contact with skin • Avoid contact with eyes • Do not take internally • Keep container closed when not in use • Keep out of reach of children.

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at www.jm.com/roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

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