

Meets the requirements of ASTM D 6083

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 roofs.

Type: One-part acrylic elastomeric roof coating.

Color: White, Tan, Safety Yellow

Features: 100% acrylic durability.
 Energy savings.
 Prolonged roof life.
 Reduced life cycle costs.
 Ideal for all climates, especially cold climates where temperatures may drop below 0°F.



Component

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
<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	0.73	0.88	0.95	104	91
Tan	0.72	0.63	0.92	0.90	89	76

Physical Properties

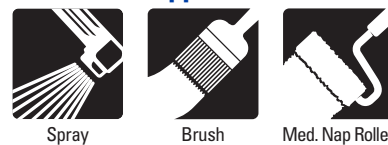
Property*		TopGard 5000
Weight	Solids by Volume	60% +/- 2%
	Solids by Weight	68% +/- 2%
	Weight	11.8 lb/gal (1.4 kg/l)
	Viscosity @ 77°F (25°C)	110 ± 10 ku
	Density	1.42 g/l
Strength	Non-volatiles (NVMs)	65% ± 1%
	1,000 hr Accelerated Weathering	no cracking or checking
	Tensile Strength	341.4 psi (2.35MPa)
	Elongation - initial/weathered	148% / 201%
	Low Temperature Flexibility after weathering	Pass 1/2" Mandrel at -15°F
	Dry Adhesion	8.5 pli
	Wet Adhesion	4.5 pli
	Tear Resistance	89.2 lbf/in (15.6 kM/m)
	Permeance (perms)	5.8
Water Swelling	8.1%	
Fungi Resistance (zero = no growth)	Zero Rating	

*Tested in accordance to ASTM D 6083

Codes and Approvals



Installation/Application



- Apply when temperature is 50°F (10°C) and rising.
- TopGard 5000 must be used on conjunction with TopGard Base Coat over all substrates.
- 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 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. When using TopGard 5000 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 5000. Each coat of TopGard 5000 should then be applied at a wet mil thickness of 20mils (0.02") and allowed to dry completely.

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.

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.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit www.jm.com/terms-conditions.