

TOPCOAT® Liquid-Applied Roofing Systems Membrane (TOPGN160)

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*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*

TOPCOAT[®]

LIQUID-APPLIED ROOFING

MEMBRANE

Description

TOPCOAT[®] Membrane is a water-based, spray-applied liquid coating, which cures to form a seamless 100% acrylic elastomeric membrane specially designed to seal the entire roof. TOPCOAT[®] (white only) is an ENERGY STAR[®] qualified reflective product that will help to reduce building temperatures. TOPCOAT[®] (white only) is listed by the Cool Roof Rating CouncilSM for solar reflectance and thermal emittance. It offers high tensile strength and elongation, and is virtually undamaged by extended exposure to solar ultraviolet energy. Ultraviolet rays enhance curing. It is low in VOC, non-flammable, and presents minimal hazard to the applicator. It is available in white (for maximum reflectivity) and 15 standard colors. Custom tinting is available upon request.

Uses

TOPCOAT[®] Membrane is designed to protect and waterproof metal, wood, copper, PVC, transite and concrete roof substrates for many years. **For proper installation, substrate must have positive drainage (i.e., shall not pond water for a period longer than 48 hours).** Surface must be free of ponding water, ice, snow and debris prior to application. Do not apply at temperatures below 42°F. Substrate temperatures must be below 120°F when applying product.

Advantages

- ENERGY STAR[®] qualified reflectivity can dramatically decrease building temperatures (white only)

- Highly reflective and listed by the Cool Roof Rating CouncilSM for solar reflectance and thermal emittance (white only)
- California Title 24 compliant
- Offers high tensile strength and elongation, and is virtually undamaged by extended exposure to solar ultraviolet energy
- Low VOC, non-flammable, and presents minimal hazard to the applicator
- Cures and becomes stronger under the sun's ultraviolet rays
- Water-based for superior protection and easy application
- Is available in white (for maximum reflectivity) and 15 standard colors (custom tinting is available upon request)
- Limited material warranty available for up to 10 years*
- Guarantees available for up to 20 years*
- Is available in 1-gallon, 5-gallon, and 55-gallon containers in addition to bulk totes

For Application Questions

Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

Applicable Standards

ASTM D1653, ASTM D412, ASTM G26, ASTM G29, ASTM B117, ASTM C794, ASTM G21, FTMS 141.6271, FTMS 141.6221, ASTM D224390, ASTM D2196, ASTM D2240, ASTM D2794, ASTM D1475, ASTM E1644, ASTM D2697, ASTM E470, ASTM G53, and ASTM D6083

Note: Repair leaks promptly to avoid adverse effects, including mold growth. TOPCOAT[®] can be utilized as a direct replacement for TOPCOAT[®] CRT.

*See applicable warranties and guarantees for complete coverage and restrictions.

TOPCOAT[®] MEMBRANE TECHNICAL DATA

Application Rate:	1.0 to 1.75 gallons/100 sq. ft. per coat
Application Method:	Airless sprayer, brush, or roller
Application Temp (air, surface):	42° – 120°F
Drying Time (75°F, 50% RH):	Approximately 24 hours per coat
Wet Mil Thickness:	(1.0 Gallon/100SF) – 16 wet mils
Dry Mil Thickness:	(1.0 Gallon/100SF) – 9 to 10 dry mils
Total Solids (by weight):	71% ± 3%
Total Solids (by volume):	58% ± 2%
Specific Gravity:	1.48 ± 0.06
Weight per Gallon:	12.3 ± 0.5 lbs
Viscosity (75°F):	19,000 ± 3,000 cps
pH:	10.0 ± 1.0
Elongation:	375% ± 25%
Tensile Strength:	275 ± 25 psi
Water Permeability:	5.28 perm inch (ASTM D-1653)
Freeze-Thaw Stability:	Passes five (5) cycles
Low Temp Flexibility:	35 mil dry film will bend 180° @ -30°F without fracturing
Elongation:	85% of original
Weatherability :	<ul style="list-style-type: none"> • 1,000 hours Atlas Weather-o-meter[®] exposure per ASTM D412, ASTM G26 Tensile Strength: 150% of original • 1,500 hours Atlas Weather-o-meter[®] exposure per ASTM D412, ASTM G26 No cracking, embrittlement, loss of adhesion, or discoloration • 2,000 hours UV exposure, type UV bulb, per ASTM G53 No cracking, embrittlement, loss of adhesion, or discoloration
Initial Reflectivity:	0.85 (white only)
Aged Reflectivity:	0.68 (white only)
Initial Emissivity:	0.90 (white only)
Aged Emissivity:	0.88, 3 year (white only)
Initial SRI:	107 (white only)
Aged SRI:	83 (white only)
Storage:	Store in well-ventilated area at 50°F to 80°F; protect from freezing
Shelf Life:	1 year
Clean-Up:	Water and mild soap before curing

LEED[®] Credit Available

Title 24 Compliant



State of Florida Approved

