

TopCoat® CRT

Information Sheet

Updated: 1/07



*Quality You Can Trust Since 1886...
From North America's Largest Roofing Manufacturer™*



CRT

Description

TOPCOAT® CRT is a water-based, spray-applied liquid, which cures to form a seamless rubber membrane that covers the entire structural concrete roof. It offers high tensile strength and elongation, and is virtually undamaged by extended exposure to solar ultraviolet energy. It is low in VOC, non-flammable and presents minimal hazard to the applicator and the environment. Ultraviolet rays enhance curing. It is available in white (for maximum reflectivity) and 15 standard colors. Custom tinting is available upon request.

Uses

CRT (Concrete Roofing Treatment) can be applied to concrete roofs to waterproof, protect and beautify. The CRT membrane is to be applied *only over structural concrete* with positive drainage. Concrete roof substrate must be completely cured and dry before application of TOPCOAT® products. **Do not** use CRT membrane for application on lightweight concrete or on heavy-traffic bearing substrates. Substrate should 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.

TOPCOAT® CRT TECHNICAL DATA

Application Rate:	1.25 to 3.0 gallons/100 sq.ft. total
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:	0.003 perm inch (ASTM E96-80)
Freeze - Thaw Stability:	Passes five (5) cycles
Low Temp Flexibility:	35 mil dry film will bend 180° @ -30°F without fracturing
Storage:	Store in well-ventilated area at 50°F to 80°F; protect from freezing
Shelf Life:	1 Year
Clean-up:	Water before curing

Advantages

- Strong; cures under the sun's ultraviolet rays
- Water-based for superior protection and easy application
- Available in white (for maximum reflectivity) and 15 standard colors (custom tinting is available upon request)
- Warranties available for up to 10 years*
- Available in 1-gallon, 5-gallon and 55-gallon containers and bulk totes

For application questions, please contact GAFMC Contractor Services at 1-800-766-3411.

Applicable Standards

ASTM E-96-80, ASTM D-412, ASTM G26, ASTM B-117, ASTM C-794, ASTM G-21, ASTM D-2243-90, ASTM D-21-96, ASTM D-2240, ASTM D-2794, ASTM D-1475, ASTM E-1644, FTMS 141.6271, FTMS 141.6221, ASTM D-6083

Note: Repair leaks promptly to avoid adverse effects, including mold growth.

*See warranties and guarantees for complete coverage and restrictions.



For further information, contact
GAF Contractor Services at:
1-800-766-3411 or visit www.gaf.com
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