

FireShield® EPDM

Information Sheet

Updated: 1/07



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From North America's Largest Roofing Manufacturer™***



FireShield® EPDM

Description

FireShield® EPDM Elastomeric Roofing Membrane is a water-based, sprayable thermoplastic rubber liquid that cures to form a seamless rubber membrane. Its patent-pending technology can turn virtually any UL Listed EPDM roof system into a UL Class A rated roof.**

FireShield® EPDM is designed to enhance your roof system's protective performance by providing unique fire extinguishing properties. Special fire resistant ingredients in the product react with heat and fire causing a chemical reaction to occur. A non-combustible carbon char layer is formed that retards flame propagation by reducing available oxygen. FireShield® EPDM is listed by the Cool Roof Rating CouncilSM for solar reflectance and thermal emittance. Its high reflectivity and thermal emittance will help to reduce heat gain to preserve the roof substrate, lower interior temperatures and reduce cooling costs. Sprayable, seamless FireShield® systems install fast, without the tear-off, staging and disposal associated with traditional systems. Comprehensive warranties are available.

Uses

FireShield® EPDM Elastomeric Roofing Membrane is designed to protect new EPDM roofs as well as protect and restore aged roofs. FireShield® EPDM is formulated to provide maximum fire protection, increase a roof's reflectivity and to protect the roof substrate from harmful ultraviolet rays. It is highly flexible to accommodate temperature related expansion and contraction of the roof system, a leading cause of roof system failure. Substrate

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 50°F. Substrate temperatures must be below 120°F when applying product.

Advantages

- Patent-pending technology can turn virtually any EPDM roof system into a UL Class A rated roof**
- Highly reflective and listed by the Cool Roof Rating CouncilSM for solar reflectance and thermal emittance
- Reflective white can dramatically decrease building temperatures
- Ideal for EPDM
- Advanced formulation that reduces the possibility of leaks at joints, edges or corners
- Flexible; will expand and contract with roof during temperature extremes
- Helps to resist algae, mold and mildew
- Warranties available for up to 10 years*
- Available in 5-gallon pails, 55-gallon containers and bulk totes

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

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

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

***Providing the assembly is UL Listed.*

TOPCOAT® FireShield® EPDM TECHNICAL DATA

Application Rate:	1 gallon/100 sq. ft. per coat
Application Method:	Airless sprayer or roller
Application Temp: (surface):	50°F – 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) – 8 dry mils
Total Solids (by weight):	68% ± 2%
Total Solids (by volume):	54% ± 2%
Specific Gravity:	1.46 ± 0.1
Weight per Gallon:	12.2 ± 0.5 lbs
Viscosity (75°F):	15,000 ± 2,000 cps
Tensile Strength:	210 psi
Storage:	Store in well-ventilated area at 50°F to 80°F; protect from freezing
Shelf Life:	1 Year
Clean up:	Water before curing

TOPCOAT® EPDM CLEANER TECHNICAL DATA

Application Rate:	1 gallon/500 sq. ft.
Application Method:	Garden sprayer or spray bottle
Application Temp (surface):	32° – 120°F
Drying Time (75°F, 50% RH):	Approximately 30 minutes
Total Solids (by weight):	16% ± 2%
Weight per Gallon:	8.3 ± 0.5 lbs
Viscosity:	Same as water
PH:	11 – 12
Storage:	Store in well-ventilated area at 50°F to 80°F; protect from freezing
Shelf Life:	1 Year
Clean-up:	Water

*EPDM Cleaner must be used prior to the application of TOPCOAT® EPDM Coating.



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