



LRF Adhesive

XF (1 of 2)

Description

GAF LRF Adhesive XF is a two-component, construction-grade, low-rise polyurethane foam roofing adhesive. It is designed to adhere most roof insulations, vapor retarders, and cover boards to compatible substrates as well as to adhere fleece-back single-ply membranes.*

The "Part A" and "Part B" components are dispensed from two pre-pressurized disposable cylinders utilizing a two-component disposable foam applicator. It is cost effective and allows for faster membrane installation than traditional GAF bucket and roller adhesives.

Features and Benefits

- Low odor makes it suitable for occupied buildings
- Ready and easy-to-use portable canister
- Zero VOCs (after mixing using SCAQMD Method 304)
- No CFCs or HCFCs
- Allows for faster membrane installation than traditional GAF bucket and roller adhesives
- No expensive equipment or maintenance required
- No external power source necessary so noise associated with generators can be avoided
- Provides excellent wind-uplift resistance characteristic of adhered systems
- Helps reduce thermal bridging

Compatible Roof Decks and Substrates**

- Structural concrete
- Precast concrete
- Various BUR (smooth*** or granulated)
- Base sheets*
- Lightweight insulating concrete
- Cementitious wood fiber
- Vapor retarders (hot-, cold-, or torch-applied)
- Gypsum

Compatible Roof Insulations and Cover Boards

- Polyisocyanurate (flat or tapered)
- High-density wood fiber
- DensDeck® Roof Board, Securock® Roof Board, and other gypsum boards
- Most extruded polystyrene (XPS) (Please check with manufacturer for compatibility)*
- Most expanded polystyrene (EPS) (Please check with manufacturer for compatibility)*

Codes and Compliance

- Factory Mutual (FM)



Storage and Handling

- Shelf life of 12 months from the date of manufacture when stored in upright position in original, unopened containers at 60° F - 90° F (15.6° C - 35° C)
- Storage temperatures above the recommended range will shorten shelf life
- Store in a covered, secure location
- Keep from freezing
- Product stored below 60° F (15.6° C) must be given sufficient time (minimum 24 hrs.) for the adhesive to warm up to minimum 70° F (21.1° C) prior to use
- Do not store in direct sunlight or temperatures higher than 90° F (35° C)

* To ensure substrate compatibility, adhesion testing is recommended. For instructions on proper usage of this product, please refer to the EverGuard® TPO/PVC Adhered Roofing System Overview & General Requirements Manual.

** Coverage rates may vary by substrate. Please refer to the adhered installation manual for further information.

*** Adhesion test recommended and primer may be required.

Note: DensDeck® is a registered trademark of Georgia-Pacific.

Note: Securock® is a registered trademark of USG.



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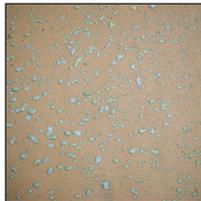
Typical Properties/Characteristics/Packaging

	GAF LRF Adhesive XF
Ambient/Substrate Install Temperature	32° F (1.7 °C) and rising
Install Chemical Temperature	Tanks must be above 70° F (21.1° C)
Storage Temperature	Cool, dry 60° F - 90° F (15.6° C - 35° C)
Coverage Rate Per Case/Set at 12" (305 mm) o.c. to Polyiso & Spatter Pattern to Fleece-back TPO/PVC Membrane*	Per Set: Up to 24 sq. for fleece-back TPO/PVC membrane Up to 35 sq. for insulation
Tack/Set-up Time @ approx. 70° F (21.1° C)	3 - 5 mins tack time / 10 - 12 min.* <i>*Tack/set-up time is dependent upon ambient temperature</i>
Dispensing Unit	Dual Canister (Part A & Part B) with supplied hose and gun
Packaging	Part A Canister (Includes 25 ft. [6.35 m] Hose/Gun/ 10 Tips/10 Shower caps/10 Extenders) Part B Canister
VOC Content	0 g/L (after mixing using SCAQMD Method 304)
Weight	Part A Canister 59.7 lb. (27.08 kg) Part B Canister 56 lb. (25.40 kg)
Shelf Life	12 months from date of manufacture

Ribbon Application (Insulation)			Spatter Application (Fleece-Back Membrane)
4" (102 mm) on-center	6" (152 mm) on-center	12" (305 mm) on-center	3 lb. of adhesive per 100 sq. ft. of area
1,000 sq. ft. coverage*	1,500 sq. ft. coverage*	3,500 sq. ft. coverage*	2,400 sq. ft. coverage*

* Coverage rates may vary based on porosity of substrate, type of substrate, bead size, etc.

Examples of coverage for spatter patterns



Not Enough Coverage



Good Coverage



Too Much Coverage

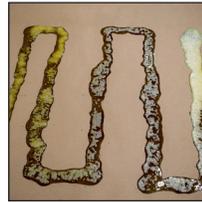
Good coverage recommendations are based on a typical application of 3 lb. (1.36 kg) adhesive applied per 100 square feet of area.

Examples of proper adhesive ratio for bead applications



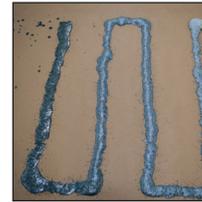
Good Ratio of Part A: Part B

Greyish green in color.
Low-rise, tacky foam after cure.



Too Much Part A

Slow to rise/no reaction.
Yellow in color.
Brittle foam after cure.



Too Much Part B

Very fast reaction/skin over.
Bluish grey in color. Soft, flexible foam after cure.

Illustrations are provided for reference only.