

GAF LRF M Adhesive Data Sheet

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LRF M

ADHESIVE (1 OF 2)

Description

GAF LRF M Adhesive is a two component, VOC free, low rise, bulk packaged, polyurethane foam adhesive that contains no solvents and sets in minutes.

Application is quick and easy resulting in significant labor savings for the contractor. LRF M Adhesive is dispensed through the Millennium Cyclone and Cyclone II pump carts, or another suitable low pressure pump cart (see following page) which equally mixes Part 1 and Part 2 of the adhesive, thus providing a quality, consistent application each time. GAF LRF M adhesive is also available as a simple-to-use cartridge with disposable mixing tip for small jobs.

Basic Use

LRF M Adhesive is designed for use as an adhesive for bonding approved fleeceback roof membranes to a building's structural roof deck, base sheets, insulation boards, and built-up roof surfaces (adhesion test for specific BUR surface must be conducted prior to conducting work). It is dispensed in 1/2" to 3/4" (13 mm – 19 mm) wide liquid beads that will quickly spread to a width of 2" to 3" (51mm – 76mm). LRF M Insulation Adhesive will expand and rise to fill minor surface irregularities.

Approved Insulations and Substrates

- Polyisocyanurate
- Polystyrene
- Gypsum cover boards
- Asphaltic cover boards
- Concrete
- Pre-existing asphaltic roof surface (Adhesion tests required to determine suitability. Contact your GAF territory manager to arrange testing.)

For additional information, contact your local GAF territory manager or call 1-800-766-3411.

Advantages

- Replaces fasteners...Minimizes excessive deck penetrations
- Low rise foam...Accommodates minor surface irregularities
- Solvent free...VOC free, low odor

Storage

Keep temperature of contents between 45°F-95°F (7°C-35°C). Bring temperature of material to approximately 70°F (22°C) just before use. Do not store in direct sunlight or above 95°F (35°C). Store boxes with valve side up. **Keep from freezing.**

Surface Preparation

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose and/or embedded gravel, un-adhered coatings, deteriorated membrane and

other contaminants that may result in a surface that is not sound or is uneven.

For applications over fresh and/or non-oxidized asphalt, coal tar or plastic film surface membranes, apply LRF Surface Treatment prior to the application of LRF M Adhesive.

Safety

Prior to working with this or any product, always review product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

Limitations

- Do not apply to wet or damp surfaces.
- Do not apply when ambient air temperature is below 40°F (5°C) or surface temperatures exceed 160°F (71°C)

Application

1a. If using boxes:

- Extend quick connect spouts in Part 1 and Part 2 box packaging.
- Invert boxes and place them in the tray on the Millennium Cyclone or Cyclone II pump. **Box labeled Part 1 must be in area of tray labeled "Part 1" and Part 2 in area labeled "Part 2".**
- When using the Millennium Cyclone or Cyclone II pump, connect the **black Part 1** fitting to the **black** feed hose fitting. Connect the **gray Part 2** fitting to the **gray** feed hose fitting. Operate pump according to manufacturer's instructions.
- For other equipment, follow equipment manufacturer's instructions.

1b. If using pails:

- Stir the contents of each pail before the material is poured into the holding tanks on an approved pump machine.
- Fill holding tanks and adjust the machine as recommended by pump manufacturer to ensure equal amounts of **Part 1 and Part 2** are delivered to and mixed at the delivery nozzle.

1c. If using drums:

- Stir the contents of each drum before the material is poured into the holding tanks on an approved pump machine.
- Fill holding tanks and adjust the machine as recommended by pump manufacturer to ensure equal amounts of **Part 1 and Part 2** are delivered to and mixed at the delivery nozzle.

1d. If using cartridges:

- Open a cartridge, using a utility knife to remove the molded tips at the groove from the mixing head.
- Attach a mixing tip to the threaded mixing head.
- Place the cartridge into applicator.

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LRF M ADHESIVE (2 OF 2)

Application (continued)

2. Apply LRF M Adhesive directly to the substrate using a ribbon pattern. Space beads as required by job specification, typically 6" or 12" (152 mm or 305 mm) O.C.
3. GAF LRF M Adhesive should be approximately 70°F (22°C) when being dispensed. As adhesive is applied, allow the adhesive to begin rising, then place membrane.
4. Roll in membrane using a 150lb. membrane roller or equivalent.

Unused material can be applied at a later date. Properly clean dispensing wand and pump unit according to the pump manufacturer's recommendations.

Suitable Application Equipment Systems

- Millennium Cyclone Pump Cart
- Millennium Cyclone II Pump Cart
- Graco E-10 Reactor
- Graco Predator
- Adhesives Systems Technology GMP-075
- Adhesives Systems Technology PCH GMP-500

For a complete list of approved low pressure pump carts, or additional information, contact your local GAF territory manager or call 1-800-766-3411.

LIMITED WARRANTY

GAF warrants LRF M Adhesive meets GAF's manufacturing specifications at the time of sale. In the event it does not meet GAF's manufacturing specifications at the time of sale, Purchaser's SOLE REMEDY is that GAF will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST GAF AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall GAF be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise. Purchaser must give written notice of any defect in this product within 30 days of discovering the claimed defect to GAF Warranty Services, 1361 Alps Road, Wayne, NJ 07470.

Coverage

Properly mixed and applied GAF LRF M Adhesive will produce the following approximate coverage rates

Product Configuration	Standard Coverage rate 6" (152mm) OC	Standard Coverage rate 12" (305mm) OC
Bag In Box (A+B)	9 to 11 squares (84 to 102 m²) per set	18 to 22 squares (167 to 204 m²) per set
Cartridge (4/box)	2 to 3 Squares (19 to 28 m²) per case	4 to 6 squares (37 to 56 m²) per case
50 gallon (189L) (A+B)	100 to 125 squares (929 to 1161 m²) per set	200 to 250 squares (1858 to 2322 m²) per set

NOTE: A 1/2" - 3/4" (13 mm – 19 mm) wide uncured adhesive bead will produce a 2" - 3" (51 mm – 76 mm) wide cured adhesive bead that will rise approximately 3/4" - 1" (19 mm-25mm) above the substrate. Coverage rates may vary when used over irregular surfaces and will vary depending roughness.