

POLYGLASS® LRF CR

LOW RISE FOAM INSULATION ADHESIVE

PRODUCT DESCRIPTION

Polyglass LRF CR is a low rise, two-component spray polyurethane foam adhesive designed to adhere insulation boards and cover boards to a multitude of substrates and roof decks. Polyglass LRF CR is a ready to dispense kit consisting of A and B cylinders, a hand held dispensing unit and temperature warning nozzles. This disposable system is self-contained and eliminates the need for other specialized equipment.

USES

- Adhere various types of insulation boards in low slope systems.
- New roof and re-roof application.
- When mechanical fastening is not desired.

FEATURES AND BENEFITS

- Portable, simple-to-use kit makes it easy to access hard-to-reach areas
- Requires no additional power to provide fast application on open roofs
- Compatible with a wide range of substrates and insulation boards
- Low odor makes it suitable for occupied buildings
- Kit applies adhesive in both ribbon and spatter patterns without the need to change any equipment

PROPERTIES*

PROPERTY	VALUE
Open Time	1–10 minutes
Mixing Nozzle Working Time	30 seconds
Set-up Time	10–30 minutes
Cure Time	24 hours
VOC Content (EPA Method 24)	98 g/L

*Times may be affected by temperature and weather conditions.

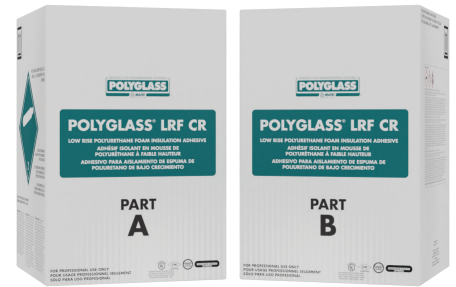
COVERAGE** AND WEIGHT

Product Number	Maximum Yield 2.5" bead, 12" OC	Maximum Yield Spatter Pattern	Net Weight
PGLRFCR	35 Squares	30 Squares	44.5 lbs (20.2 kg) A-Side 44.1 lbs (20.0 kg) B-Side

**Coverage rates may vary based on ambient temperature and application.

TECHNICAL DATA

TEST PROPERTY	TEST PROCEDURE	TEST VALUE
Tensile Strength (psi)	ASTM D412	29
Density (lbs./ft ³)	ASTM D1622	2.8
Compressive Strength (psi)	ASTM D1621	11
Water Absorption (%)	ASTM D471	4.2
Fire Rating @ 1" Thickness	ASTM E84	Flame Spread Index 15 Smoke Developed 200



APPLICABLE STANDARDS

- FM Approved
- Florida Building Code
- Miami-Dade County Approved



PACKAGING

- 44.5 lbs (20.2 kg) A-Side Cylinder
- 44.1 lbs (20.0 kg) B-Side Cylinder

Kit Includes:

- Nozzles
- Hose
- Hand wrench
- Lubricant

PRODUCT CODES

- PGLRFCR



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APPLICATION INSTRUCTIONS

Surface Preparation:

- Surfaces to receive adhesive must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products. Contact Polyglass Technical Services regarding any unusual substrates.
- On existing roofs, inspect roof substrate condition. Blisters, buckles, and raised edges should be cut out and repaired for a smooth surface.
- Check all flashings, edges, drains, valleys and vents and repair as needed.

Application:

- Prior to connecting hoses, shake each cylinder for 1-2 minutes to mix the product properly. Keep the cylinders in their respective boxes.
- After attaching hoses, open cylinder valves completely. Keep lid closed and avoid direct sunlight on the cylinders.
- For ribbon application, squeeze the trigger and move hand at a speed which delivers the desired adhesive "serpentine" ribbon. Polyglass LRF CR adhesive is applied in a serpentine ribbon spacing determined by wind uplift calculations.
- For spatter application, partially squeeze the trigger dispensing the adhesive in a spray pattern similar to the action required when hand watering a flower bed. The spatter pattern should yield a heavily textured, even coating of approximately ¼" to ½" nominal thickness height on the peaks of the spattered adhesive.
- The bonding range of Polyglass LRF CR is approximately 1–10 minutes from start of spraying and will vary according to ambient as well as substrate temperature. Insulation boards are to be placed based on string and tack test (1–4 minutes based on ambient conditions).
- Once insulation boards are placed, they must be "walked-in" immediately.
- Replace used mixing nozzle with a new, unused mixing nozzle after spraying stops for more than one (1) minute.
- Care must be taken, particularly in high temperature environments (90°F (32°C) and above), to ensure that the adhesive has not dried or skinned over prior to embedding the membrane.

Limitations:

- Do not use on insulating board stock larger than 4 × 4 ft.
- Do not use when ambient or substrate temperatures are below 30°F (-1°C).
- Maintain temperature of chemicals between 70–85°F (21–29°C).
- Do not use during inclement weather, on wet surfaces or on any roof deck showing signs of deterioration or loss of structural integrity.
- Do not use after the expiration date.

Storage and Cleaning:

- Product shelf life: 18 months from date of manufacture when properly stored.
- Store in a dry area. Optimum chemical storage temperature is 50–90°F (10–32°C).
- Excessive heat can cause premature aging of components resulting in a shorter shelf-life.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Do not allow product to freeze. Discard if frozen.

For Professional Use Only - Keep out of the reach of children.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.

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Questions? technical@polyglass.com

Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects that result in the material not complying with product specifications for a period of 12 months.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. The product user, and not Polyglass, is responsible for determining the suitability and compatibility of our products for the user's intended use.

For the most current product data and warranty information, visit www.polyglass.us



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