

MODIFLEECE™ SYSTEM APPLICATION GUIDE

Substrate Preparation & Installation Guidelines

The surface(s) must be relatively even, clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials that may damage the membrane. Rough surfaces that could damage the membrane must be overlaid with acceptable insulation/recover board. Ponding water, snow, frost, dew, and ice are not acceptable work surfaces before installing. Ponding water must be dried for a period of 48–72 hours. Areas of apparent long-term moisture must be dried and “cured” properly prior to application. For substrates requiring cure time (e.g. structural concrete, LWIC) please follow manufacturers recommendations before installing membrane.

The temperature of the Polyglass LRF CR should be between 70°–85°F (21°–29°C). The surfaces being bonded should be at 40°F (4°C) or above for proper application of Polyglass LRF CR. Temperatures outside this range may affect bonding range, dispensability, and performance of the product.

While installing Modifleece on existing modified bitumen membranes, loose granules need to be removed by sweeping, blowing or power brooming.

Install only as much Modifleece membrane as can be completed and made watertight during the working day. Polyglass recommends the use of a compatible “night seal” foam sealer to temporarily seal the new roofing membrane to the existing roof system. **Do not install membrane if fleece backing is wet.**

Polyglass LRF CR Application

The temperature of the Polyglass LRF CR should be between 70°–85°F (21°–29°C). The surfaces being bonded should be at 40°F (4°C) or above for proper application of Polyglass LRF CR. Temperatures outside this range may affect bonding range, dispensability, and performance of the product. For specific product information contact Polyglass Technical or refer to the product data sheet.

1. Do not remove the tanks from the boxes.



Step 1

2. Before opening the boxes to connect the included hoses and gun, shake each tank for approximately sixty (60) seconds to ensure a well-mixed product.



Step 2

3. Connect the hoses by passing the hose connectors through the box opening so the box lid can still close and shield the canisters from direct sunlight.



Step 3

4. Hand thread the Red coded hose to the A component cylinder and the Black coded hose to the B component cylinder and tighten the fixtures using the included open wrench.



Step 4

5. Open both the A and the B cylinder “T” valves completely and watch for chemicals flowing down through the hose lines. Ensure valves are completely open.

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Step 5

- Engage the safety stop on the gun to prevent any unintended discharges and apply a small amount of the included petroleum jelly to the guns face and two spray orifices.



Step 6

- Connect the spray nozzle to the gun and perform several test shots. The pressure from the tank's first discharges will be inconsistent. Several test shots are recommended until the desired output and spray pattern is achieved. Apply several test shots on plastic or cardboard before beginning the job.



Step 7

- Once the desired spray pattern is achieved the Polyglass LRF is ready for use.



Step 8

- If spraying is stopped for 30 to 60 seconds, the nozzle must be replaced to ensure that the proper mix of the two components is maintained.

Modifleece Application Instructions

- Position the two first courses of Modifleece starting at the lowest portion of the deck pitch, in "shingle" fashion, ensuring proper water shedding. Ensure the position of the first course will align with the side lap of the following course a minimum 4", as indicated by the pre-marked lay lines.



Step 1

- Fold back Modifleece membrane in "butterfly" fashion exposing fleece backing half of underside. Repeat this step for the following course.

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Step 2

Note: Polyglass allows an alternative “Spray and Unroll Method” where the product is unrolled instead of folded out in butterfly fashion, as pictured below. When using the unroll method, it is recommended that the first course be installed in the fold method to assure proper alignment of subsequent rolls being installed using the unroll method. **Avoid contaminating the side lap region with overspray of Polyglass LRF CR adhesive.** Doing so may compromise watertightness of side lap.



3. Spray-apply Polyglass LRF CR adhesive in spatter pattern to the substrate and allow foam to set approximately 1–2 minutes before setting the Modifleece membrane into the Polyglass LRF CR Adhesive. The proper spatter pattern will yield a heavily textured, even coating of approximately 1/4" to 1/2" nominal thickness height on the droplets of the sprayed adhesive.



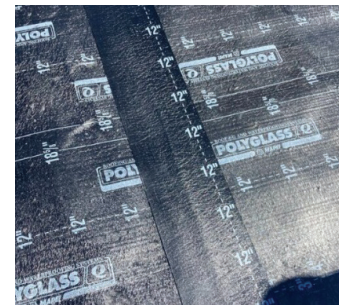
Step 3

4. Overlap the side laps and remove the release film, exposing the self-adhesive surface. Broom the side laps with a push broom.



Step 4

5. Butt the end laps and seal with nine inch (9") wide Elastoflex SA V Flashing Strips. Roll all self-adhered laps with a silicone roller.



Step 5

6. Repeat steps 1–5 as needed to cover the remaining areas of the roof.
7. Roll the Modifleece membrane with a 75-pound weighted roller to ensure full embedment.



Step 7

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8. Install approved self-adhered or heat-welded Polyglass APP or SBS cap sheet (plus interply if required) per Polyglass recommended installation guidelines. **Note:** When heat welding an APP or SBS membrane to Modifleece, allow 4–6 hours before installation, to allow time for Polyglass LRF CR to cure.



Step 8

For more information contact your Polyglass Technical Services Representative or visit Polyglass.us for installation videos and roofing details.