DURO-FLEECE® OMG® MEMBRANE ADHESIVE

Description:

Duro-Fleece® OMG® Membrane Adhesive is a two component adhesive used for adhering Duro-Fleece membrane to a variety of substrates. It is used in both new and re-roof applications.

Duro-Fleece OMG Membrane Adhesive contains less than 250 g/L of Volatile Organic Compounds (VOC) and meets all VOC restrictions and regulations in the United States.

Acceptable Substrates:

Duro-Fleece OMG Membrane Adhesive may be used on the following substrates, after they have been properly prepared, as described in the Duro-Last® *Adhered Duro-Fleece® Roofing System Specification*. The installing contractor is responsible for following all applicable building, plumbing and electrical codes.

- Structural Concrete (poured in place or precast)
- Gypsum (poured in place or precast)
- Lightweight Concrete (insulating or cellular)
- Wood (plywood, OSB or lumber)
- Smooth Built-Up Roofs (BUR)
- Modified Bitumen
- Duro-Guard® Polyisocyanurate Insulation
- Duro-Guard Roof Board

Adhesion Pull Test:

When adhering to an existing roof, an adhesion pull test must be performed to determine the uplift value of the existing roofing system and the adhesion value of the new roof to the existing roof.

Adhesion pull test instructions can be found on the Duro-Last website. Adhesion Pull Test Frames and Pull Test Kits are available for order from Duro-Last.

Precautions:

1. Read SDS for Part 1 and Part 2 prior to using.
2. Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
3. Follow instructions on the product label regarding safety, proper setup, handling and disposal.
4. Keep containers closed. Contamination by moisture or basic compounds can cause dangerous pressure build-up in a closed container.







Storage and Shipping:

1. **Keep the product from freezing.**
2. Store the product in a cool, dry location at temperatures between 55° F (13° C) and 85° F (29° C).
3. Shelf Life: 18 months from date of manufacture in original, sealed container when properly stored.

Ordering:

Duro-Fleece OMG Membrane Adhesive is available in 10-gallon "bag-in-box" sets or in 1500-ml cartridge sets (4 cartridges per case) for smaller areas. The bag-in-box sets utilize a separate box for each of the two components while the cartridge holds both components side-by-side.

10 Gallon Bag-In-Box Sets Packaging

Unit	Amount	Weight
Box 1	5 gallons	52 lb.
Box 2	5 gallons	44 lb.

1500 ml Cartridge Packaging

Unit	Qty / Case	Weight
Case	4 – 1500 ml cartridges	18 lb.

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Application rates will vary depending on the surface roughness and absorption rate of the substrate. Typical coverage rates for cartridge sets are 400 – 600 square feet per case when bands of adhesive are spaced 12 inches on center.

Typical coverage rates for 10-gallon bag-in-box sets are shown below for different substrates. These coverage rates are based on adhesive band spacing of 12 inches on center.

Substrate	**Typical Coverage** 10-gal. bag-in-box set
Structural Concrete	1,700 – 2,000 sq. ft.
Gypsum	1,000 – 1,200 sq. ft.
Lightweight Concrete	1,000 – 1,700 sq. ft.
Wood	1,700 – 2,000 sq. ft.
Smooth Built-Up (BUR)	1,500 – 1,700 sq. ft.
Modified Bitumen	1,500 – 1,700 sq. ft.
Duro-Guard Polyisocyanurate Insulation	1,700 – 2,000 sq. ft.
Duro-Guard Roof Board	1,700 – 2,000 sq. ft.

Installation:

1. Limitations
   - **a. The minimum <u>product</u> temperature before application is 72° F.**
   - **b. Deck and ambient temperatures must not fall below 40° F (4° C) or exceed 100° F (37° C) during installation.**
   - c. Do not use during wet weather.
   - d. Do not use on wet substrates.
   - e. Do not use on dirty or greasy substrates.
   - f. Do not use on substrates that show signs of deterioration or loss of structural integrity.
   - g. Do not use product after expiration date.
2. Retrofit-recover projects
   - a. The existing roof system must be investigated to ensure that it is adequately attached.
   - b. All wet material must be removed and replaced.
   - c. Existing Phenolic insulation must be removed.
3. Duro-Fleece OMG Membrane Adhesive must be applied using the proper application cart or gun. Contact Duro-Last for additional information.





4. Duro-Fleece OMG Membrane Adhesive is dispensed in 1-inch wide bands. The spacing between bands is determined as follows.
   - a. For any project located in an area where the design wind speed is greater than 110 mph or the roof deck height is greater than 40 feet, the Duro-Last Engineering Services Department must determine the band spacing. Otherwise, use the following guidelines.
   - b. The spacing between bands of Duro-Fleece OMG Membrane Adhesive is less in the perimeter area of the roof than in the main field area to compensate for higher wind uplift pressures.
     - Perimeter Area: 6 inches on center.
     - Field Area: 12 inches on center.
   - c. The width of the perimeter area is defined as whichever is less, 40% of the building eave height or 10% of the lesser roof plan dimension, but in no case less than 4 feet. The remainder of the roof is the field area.

5A. Bag-In-Box / Cart Application
   - a. Install Part 1 and Part 2 boxes on cart following the instructions on the box label.
   - b. Open flow valves on the dispenser completely and turn machine on. This allows adhesive to be pumped at a 1:1 ratio through the disposable mix tip and onto the substrate in a semi-liquid state.
   - c. Apply the fluid mixture in 1-inch wide bands using the spacing determined above.
   - d. Once boxes are installed on the cart, the contents must be used up.

5B. Cartridge / Gun Application
   - a. Remove cap and attach the disposable mixing tip to the end of the tube.
   - b. Apply fluid mixture to substrate in 1-inch wide bands using the spacing determined above.
   - c. When not in use, keep the mixing tip pointing down to prevent mixed product from flowing back into the cartridge.
   - d. To store overnight, remove mixing tip and put the cap on.

6. Allow the adhesive to turn to a caramel color before applying the Duro-Fleece membrane. Apply the membrane as soon as the adhesive is ready. Do not leave the adhesive exposed.
7. Apply the Duro-Fleece membrane as described in the Duro-Last *Adhered Duro-Fleece® Roofing System Specification*.

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