



MEMBRANE ADHESIVES

# Millennium Hurricane Force® 1-Part Membrane Adhesive



### DESCRIPTION

Millennium Hurricane Force® 1-Part Membrane Adhesive is a highly elastomeric, one-part asphalt modified urethane adhesive that is solvent free and does not require mixing.

The VOC content of the adhesive is less than 250 g/L. Millennium Hurricane Force® 1-Part Flashing Adhesive is approved for use in VOC regulated markets such as California and the OTC States.

### BASIC USE

Millennium Hurricane Force® 1-Part Membrane Adhesive is designed for use as an adhesive for bonding approved base sheets, vapor retarders, and membranes to approved substrates.

Millennium Hurricane Force® 1-Part Membrane Adhesive forms a strong bond to most substrates, does not soften or damage the membrane, and provides outstanding wind uplift protection.

### APPROVED SUBSTRATES

- Lightweight Concrete
- Base sheets ( sanded or smooth surfaced)
- Smooth built-up roof surfaces (re-roof applications)
- Modified Bitumen (sanded or granule surfaced only)
- Metal panels
- Wood
- Fiber Glass
- Polyisocyanurate insulation
- Polystyrene (XPS, EPS)
- Perlite insulation
- Wood fiber insulation
- Gypsum cover board
- High density ISO cover board

### APPROVED MEMBRANES

- SBS modified bitumen base sheets
- SBS modified bitumen mineral surfaced cap sheets

For a complete list of approved substrates, or for additional information, contact our Technical Department.

### SAFETY

Prior to working with this or any adhesive product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

### LIMITATIONS

- Do not apply to wet or damp surfaces. This includes primers. Allow solvent based primers to completely dry before using the adhesive.
- Do not apply when surface temperatures are below 40°F (4°C).

### EQUIPMENT

- 1/4" (0.6 cm) notched or serrated squeegee.
- Better Spreader adhesive applicator.

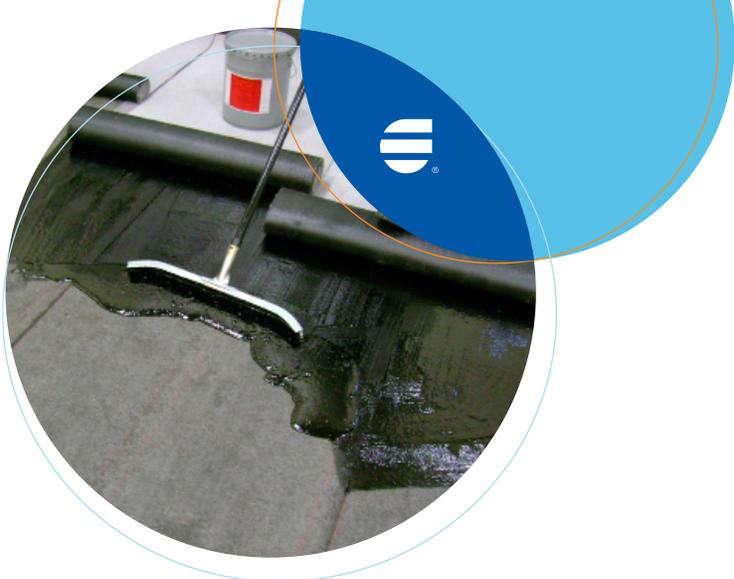
### FEATURES

### BENEFITS

Single component	Requires no mixing
Solvent free	No odors
Elastomeric	Remains flexible, absorbs stresses
VOC content less than 250 g/L	Suitable for use in VOC regulated markets
Cold applied	No flame, no exposure to oxidized asphalt fumes

### ⚠ WARNING!

This product can expose you to Asphalt which is known to the State of California to cause reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## STORAGE

Store material in original unopened packaging at temperatures between 40°F-100°F (4°C-38°C). For best results store material at temperatures between 60°F-80°F (15°C-27°C) just prior to use.

Shelf life is 12 months when stored as recommended.

## COLOR

Black

## PACKAGING AND COVERAGE

Millennium Hurricane Force® 1-Part Membrane Adhesive is available in the following package:

Pails Size	Part #	Pails/Case
5 Gallon (18.9L)	HF-MA5P-01	36

Coverage rate is approximately 12-15 sq. ft. (1.1-1.4 m<sup>2</sup>) per gallon when applied with a 1/4" notched trowel which results in an approximately 1/8" (0.3 cm) thick layer of adhesive.

Coverage rates may vary when used over irregular surfaces.

Coverage rate using a Better Spreader type adhesive applicator at 6" o.c. is 40-50 ft<sup>2</sup>/gal.

## APPLICATION

1. Ensure that the substrate is suitable for bonding and is clean, dry, and free of defects. For dusty surfaces prime the substrate using Millennium Universal Primer at a rate of 150 -250 sq.ft. (14 m<sup>2</sup>-23m<sup>2</sup>) per gallon. Allow primer to dry.
2. Apply Millennium Hurricane Force® 1-Part Membrane Adhesive in full coverage with a 1/4" (0.6 cm) notched or serrated squeegee directly to the substrate. Application rate shall be 1.5 to 2 gallons per 100 sq. ft. (9 m<sup>2</sup>). Coverage rates may vary over irregular surfaces.
3. Follow roof membrane manufacturers recommendations for installing the membrane into the adhesive. For modified bitumen membranes, unroll the sheet and allow to relax prior to setting into the adhesive.
4. Immediately place the roofing membrane into the freshly applied Millennium Hurricane Force® 1-Part Membrane Adhesive. Do not allow the adhesive to skin over. Broom or roll the membrane surface to ensure full contact.
5. If using adhesive to seal laps, a continuous bleed-out of adhesive should be present along all membrane side laps and head laps. Alternatively, heat weld side and head laps.
6. For multi-ply applications remove loose sand from the base ply surface and repeat steps 2-5.
7. When applying adhesive with a Better Spreader type of adhesive applicator refer to membrane/substrate manufacture's application instructions.

## SURFACE PREPARATION

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, unadhered coatings, deteriorated membrane or other contaminants that may result in a surface that is not sound or is uneven.

For re-cover applications over weathered asphalt BUR or smooth surfaced SBS modified bitumen, apply Millennium Universal Primer prior to the application of Millennium Hurricane Force® 1-Part Membrane Adhesive. For applications over fresh and/or non-oxidized asphalt or plastic film membranes, apply Millennium Surface Treatment prior to the application of Millennium Hurricane



\*Subject to the conditions of Approval when installed as described in the current edition of the FM Approval Guide.\*



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