

MEMBRANE ADHESIVE

Millennium Hurricane Force® Membrane Adhesive HS



SBS Membrane Adhesive - Pedastal Adhesive

DESCRIPTION

Millennium Hurricane Force® Membrane Adhesive HS is a two-component, fast setting, essentially VOC free, polyurethane membrane adhesive that becomes waterproof within minutes of application and is designed for use with our One Step™ application process.

Our contractor preferred One Step™ patented application process* is efficient and always dependable. Application is quick and easy, resulting in significant labor savings for the contractor; 100 square feet of roof membrane can be installed in less than 2 minutes.

The VOC content of this adhesive is less than 20 g/L. Millennium Hurricane Force® Membrane Adhesive HS is approved for use in VOC regulated markets such as California and the OTC States. This product is ideal for use on projects sensitive to building disruption concerns such as re-roofing schools and hospitals.

BASIC USE

Millennium Hurricane Force® Membrane Adhesive HS is designed for use as an adhesive for bonding approved base sheets, vapor retarders and roof membranes to approved substrates. Millennium Hurricane Force® Membrane Adhesive HS is ideal for applications where hot asphalt or solvent based cold process adhesives cannot be used. Millennium Hurricane Force® Membrane Adhesive HS can also be used to adhere roof pedestals to SBS roof membrane.

APPROVED SUBSTRATES

- Structural Concrete
- Base sheets (sanded or smooth surfaced)
- Smooth built-up roof surfaces (re-roof applications)
- Modified Bitumen (sanded or granule surfaced only)
- Metal panels
- Lightweight insulating concrete (LWIC)
- 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.

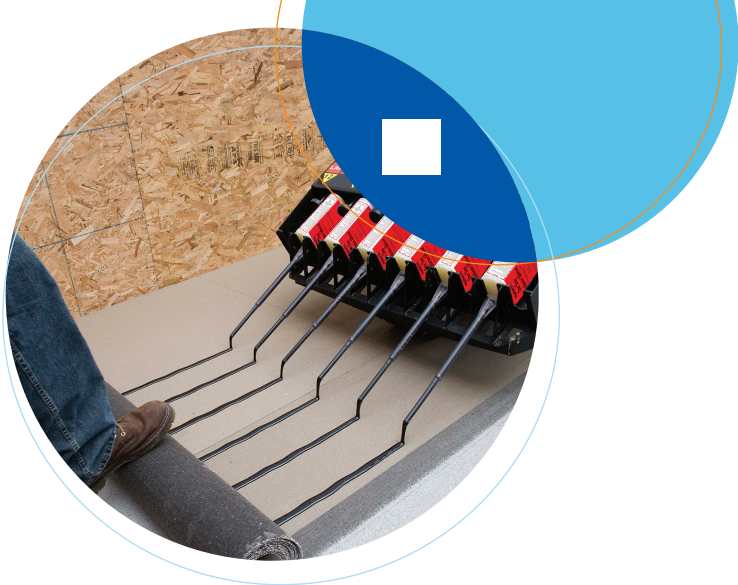
FEATURES

BENEFITS

Ready to use	Requires no pre-mixing, reduces labor costs
No temperature restrictions	Suitable for all climates
Essentially VOC free	Suitable for use in VOC regulated markets
Solvent free	Essentially VOC free, no odors
Elastomeric	Remains flexible, absorbs stresses
Excellent bond	Substitute for hot asphalt or solvent based adhesives
Ribbon applied	Eliminates blistering common in asphalt adhered roof membrane
Fast setting	Completely set within minutes of application
Cold applied	Won't burn, no exposure to oxidized asphalt fumes

WARNING!

This product can expose you to Diisodecyl phthalate (DIDP) which is known to the State of California to cause reproductive harm. For more information go to www.P65Warnings.ca.gov.



APPLICATION

1. With a utility knife, remove the molded tips at the groove from the One Step™ mixing head.
2. Attach a One Step™ mixing nozzle to the threaded mixing head.
3. Place the cartridge into the appropriate One Step™ applicator.
4. Dispense an initial amount of Millennium Hurricane Force® Membrane Adhesive HS into a waste container to ensure a proper mix, then discard.
5. Apply Millennium Hurricane Force® Membrane Adhesive HS directly to the substrate using a ribbon pattern. Space 1/2" - 3/4" (1.3 cm - 1.9 cm) wide beads either 12" (30cm), 9" (23 cm), 6" (15 cm), or 3" o.c. (7 cm) depending on project specifications and wind uplift requirements.
6. Immediately set membrane into wet adhesive. Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the membrane and substrate.
7. Roll membrane with a weighted roller to ensure positive contact between adhesive, membrane, and substrate.
8. Complete side laps and head laps with Millennium Hurricane Force® Lap and Flashing Adhesive.
9. Unused adhesive can be applied at a later date by simply plugging the cartridges (with provided half moon plugs) and using a new One Step™ mixing nozzle.

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® Membrane Adhesive HS. For applications over fresh and/or non-oxidized asphalt, apply Millennium Surface Treatment prior to the application of Millennium Hurricane Force® Membrane Adhesive HS.



For more information about our company, visit www.hbfuller.com/roofing.

LIMITATIONS

- Do not apply to wet or damp surfaces.
- Not intended for insulation attachment.
- Not to be used with torch down membranes or membranes with plastic films.

EQUIPMENT

The fast and dependable One Step™ applicators make applying Millennium Hurricane Force® Membrane Adhesive HS simple:

- Patented Multi-Bead and Multi-Bead Plus*
- Millennium One Step™ Battery Powered Applicator
- Millennium One Step™ Pneumatic Single Bead Applicator

STORAGE

Keep temperature of contents between 65°F-85°F (18°C-29°C) 24 hours prior to use. Do not store in direct sunlight or temperatures higher than 90°F (32°C).

COLOR

Black

PACKAGING AND COVERAGE

Millennium Hurricane Force® Membrane Adhesive HS is available in the following package:

Cartridge Size	Part #	Cartridges/Case
1.5 Liter	HF-MH15-04	4

Each cartridge will produce approximately 100 - 125 lineal feet (30m - 38m) of 1/2" - 3/4" (1.3cm - 1.9cm) wide adhesive beads. A four cartridge case will produce approximately 400 - 500 lineal feet (122m - 152m) of 1/2" - 3/4" (1.3cm - 1.9cm) wide adhesive beads.

Coverage rates may vary when used over irregular surfaces.



Insulation Adhesives for roofing systems as to external fire exposure see UL Directory of products certified for Canada and UL Roofing Materials and Systems Directory. 1W5C

*US 9,381,536 B2; US 7,056,556 B2; US D501,855 S; CA 2,493,739 C

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