

Millennium Hurricane Force® Membrane Adhesive

Description

Millennium Hurricane Force® Membrane Adhesive is a fast setting, solvent free, cold process membrane adhesive, that becomes waterproof within minutes of application, and is designed for use with our patented application process.*

Our One Step™ application process eliminates error due to poor mixing. Application is quick and easy, resulting in significant labor savings for the contractor. No expensive specialty pumps or spray rigs are required.

Basic Use

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

Millennium Hurricane Force® Membrane Adhesive is a low odor, quick setting, solvent free, formula that offers significant advantages over high odor, slow setting, solvent based adhesives.

Approved Substrates

- Structural roof decking: concrete, gypsum, cementitious wood fiber (tectum), wood, steel or lightweight insulating concrete
- Base sheets (sanded or granule surfaced)
- Approved insulations (multi-layer applications)
- Smooth built-up roof surfaces (re-roof applications)

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

Equipment

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

- Patented Multi-Bead Plus*
- Battery Powered Single Bead
- Pneumatic Single Bead



Features	Benefits
Ready to use	Requires no mixing, reduces labor costs
No temperature restrictions	Quick set even in cold climates
One Step™ technology	Easy to apply
Solvent free	VOC free, no odors
Elastomeric	Remains flexible, absorbs stresses
2-component technology	Fast setting, yet allows for repositioning of membrane
Ribbon applied	Eliminates blistering

Safety

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

Limitations

- Do not apply to wet or damp surfaces.
- Not intended for insulation attachment.

***U.S. Patent Nos. 7,056,556; D501,855**

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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. Always load cartridges with the label side up. Dispense an initial amount of Millennium Hurricane Force® Membrane Adhesive to ensure a proper mix, then discard.
4. Apply Millennium Hurricane Force® membrane Adhesive directly to the substrate, using a ribbon pattern. Space 1/2" - 3/4" (1.3cm - 1.9cm) wide beads either 12" (30cm), 9" (23cm), 6" (15cm) o.c. (or in full coverage) to achieve proper coverage depending on project specifications and requirements. As adhesive is applied, 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.
5. Immediately broom roll with weighted roller to ensure positive contact between adhesive, membrane, and substrate and to eliminate the possibility of ridging.
6. 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.



Packaging and Coverage

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

<u>Cartridge Size</u>	<u>Part #</u>	<u>Cartridges/Case</u>
1.5 Liter	HF-MA15-04	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.

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

Surface Preparation

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

For re-cover applications apply Millennium Universal Primer prior to the application of Millennium Hurricane Force® Membrane Adhesive. For applications over fresh and/or non-oxidized asphalt, coal tar or plastic film membranes, apply Millennium Surface Treatment prior to the application of Millennium Hurricane Force® Membrane Adhesive.

Code #0022-1209

WARRANTY: ADCO warrants its products to conform to ADCO's specifications at the time of sale when tested according to ADCO standards. If a product is proven to be defective when tested according to ADCO standards, ADCO will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYERS SOLE AND EXCLUSIVE REMEDY AGAINST ADCO AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall ADCO be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.