

MILLENNIUM ONE STEP™ FOAMABLE ADHESIVE



Description

Millennium One Step™ Foamable Adhesive is a highly elastomeric, one-step, all-purpose, foamable adhesive that contains no solvents, sets in minutes, 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 One Step™ Foamable Adhesive is designed for use as an adhesive for bonding approved roof insulations to a building's structural roof deck, base sheets, other insulation boards, and smooth or properly prepared graveled built-up roof surfaces.

Millennium One Step™ Foamable Adhesive eliminates the need for mechanical fasteners that can often cause damage to the roof deck, which can reduce the roof's service life.

Approved Substrates

- HD wood fiber
- Gypsum
- Isocyanurate
- Cementitious wood fiber
- Perlite - minimum thickness 1,9 cm
- Lightweight insulating concrete
- Wood or steel
- Polystyrene (EPS/XPS)
- Modified bitumen membranes and base sheets (sanded or granule surfaced)
- Gypsum cover board
- Approved insulations (multi-layer applications)
- Asphaltic cover boards
- Smooth or gravel surface built-up roof (re-roof applications)
- Concrete.

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

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 recommended for use with insulation boards larger than 1.2 m x 1.2 m.

Do not use warped or curled insulation boards.

All insulation boards must lay flat upon the roof surface.

When applying Millennium One Step™ Foamable Adhesive over a smooth or sanded APP roof surface Millennium Surface Treatment will be required.

Equipment

The fast and dependable One Step™ applicators make applying Millennium One Step™ Foamable Adhesive simple:

- Patented Multi-Bead Plus
- Patented Multi-Bead
- Battery Powered Single Bead
- Pneumatic Single Bead
- Stand Up Single Bead
- Ultra Drive Manual Applicator
- Heavy Duty Manual Applicator.

Storage

Keep temperature of contents between 65°F-85°F (18-29°C) 24 hours prior to use.

Do not store in direct sunlight or temperatures higher than 90°F (32°C).

Features	Benefits
Ready to use	Requires no mixing, reduces labor costs
No temperature restrictions	Suitable for all climates
One Step™ technology	Easy to apply
Solvent free	VOC free, no odors
Elastomeric	Remains flexible, absorbs stresses
Low rise foam	Accommodates minor surface irregularities
Replaces fasteners	Minimizes penetrations and deck corrosion

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. Apply Millennium One Step™ Foamable Adhesive directly to the substrate, using a ribbon pattern. Space 0.6 cm to 1.3 cm wide beads, 30 cm o.c., to achieve proper coverage rates for insulation attachment. As adhesive is applied, immediately place insulation board into wet adhesive. Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board and substrate.
5. Un-used material 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 One Step™ Foamable Adhesive is available in the following package:
 1.5 L cartridge
 4 cartridges per box
 Covers 56 m² per box.
 Rates are based on an application pattern of 4 ribbons, 0.6 cm to 1.3 cm wide, 30 cm o.c. per 1.2 m x 1.2 m insulation board.



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 application over existing weathered asphalt or coal tar pitch BUR, apply Millennium Universal Primer prior to the application of Millennium One Step™ Foamable 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 One Step™ Foamable Adhesive.

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