



FEATURES:

- Replaces fastener plates
- No temperature restrictions
- Solvent free
- Elastomeric
- Low rise foam
- Replaces fasteners

BENEFITS:

- Reduces thermal bridging maintaining the insulation integrity
- Suitable for all climates
- Essentially VOC free, no odors
- Remains flexible, absorbs stresses
- Accommodates minor surface irregularities
- Minimizes penetrations and deck corrosion

DESCRIPTION:

Millennium One Step™ Foamable Adhesive is a highly elastomeric, all-purpose, foamable adhesive that contains no solvents, sets in minutes, and is designed for use with our patented One Step™ application process.*

Millennium One Step™ application is quick and easy, resulting in significant labor savings for the contractor. No expensive, unreliable pump carts or spray rigs are required. For more information on why One Step™ Foamable Adhesive is simply the better choice for insulation attachment, please see "The Millennium One Step Advantage®" Technical Brochure.

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.

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 applications over gravel surfaces apply Millennium Universal Primer prior to the application of Millennium One Step™ Foamable Adhesive. For applications over fresh and/or nonoxidized asphalt, coal tar or plastic film membranes, Millennium Surface Treatment maybe required prior to the application of Millennium One Step™ Foamable Adhesive.

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.
 - Not recommended for use with insulation boards larger than 4' x 4' (1.2m x 1.2m).
 - 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 may be required. Contact your Royal Field Sales and Service Representative for more information.

STORAGE:

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

COLOR:

Off white-light amber when dispensed

APPROVED INSULATIONS AND SUBSTRATES:

- HD wood fiber
- Polyisocyanurate
- Perlite (upon approval)
- Polystyrene
- Gypsum cover board
- Asphaltic cover boards
- Concrete
- Gypsum roof deck
- Cementitious wood fiber
- Wood or steel
- Lightweight insulating concrete
- Modified bitumen membranes and base sheets
- (sanded or granule surfaced)
- Approved insulations (multi-layer applications)
- Smooth or gravel surface built-up roof (re-roof applications)

APPLICATION:

1. Remove snap off tip from the One Step™ mixing head and keep for re-use.
2. Attach a One Step™ mixing nozzle to the threaded mixing head.
3. Place the cartridge into the appropriate One Step™ applicator. Caution: Adhesive should be dispensed immediately after loading the cartridge into the dispensing tool to prevent adhesive from foaming and curing in the mixing tip.
4. Apply Millennium One Step™ Foamable Adhesive directly to the substrate, using a ribbon pattern. Space 1/4" to 1/2" (0.6cm to 1.3cm) wide beads, 12" (30cm) 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 simply removing the used static mixing tip, wiping the neck of the cartridge clean and plugging the cartridges with provided snap off tips.
6. Caution: Millennium One Step™ Foamable Adhesive reacts quickly in warm, moist climates. Roofers must set insulation boards quickly in these conditions.

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
- Ultra Drive Manual Applicator
- Heavy Duty Manual Applicator

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

PACKAGING AND COVERAGE:

Millennium One Step™ Foamable Adhesive is available in the following package:

Cartridge Size	Part#	Cartridges/Case
1.5 Liter	OS-FA15-04	4

Covers 600 sq ft (56m²) per case. Coverage estimates indicate total square feet of insulation attachment per case. Rates are based on an application pattern of 4 ribbons, 1/4" to 1/2" (0.6cm to 1.3cm) wide, 12" (30cm) o.c. per 4' x 4' (1.2m x 1.2m) insulation board. Coverage rates may be lower when used over irregular surfaces and will vary depending on roughness.

