

Millennium Adhesive Companies



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TECHNICAL BULLETIN: Applying Weather-Tite® One Step™ Foamable Adhesive to APP or SBS Modified Bitumen

1. Existing roof must be completely clean of any loose debris and granules. This may entail vacuuming; power brooming, or a combination of both. It will be necessary to allow the roof surface to dry completely before adhering any boards.
2. The existing roof must be inspected for any defects or blisters in the felts. These areas must be cut out and repaired properly to create a flat surface upon which to adhere insulation boards.
3. If the roof surface has been treated with a coating, an adhesion test will be required. The adhesion test will entail bonding down a piece of the specified insulation with ***Weather-Tite One Step Foamable Adhesive***, allowing it to set up for approximately one to two hours, and lifting the board using manual force to verify mode of failure and to check for adhesion qualities.

***When adhering directly to a coated roof, WTT Systems, LLC can not be responsible for the adhesion of the coating to the substrate.**

4. The roof surface must then be blown off with a power blower.
5. The surface may need to be primed using our **Weather-Tite Surface Treatment**.

***Priming will be required when adhering to a smooth surface APP roof.**

6. Due to anticipated surface irregularities of an existing roof, the application may require more adhesive than our standard rates.

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 tip to the threaded mixing head.
3. Place the cartridge into the One Step applicator.
4. Apply ***Weather-Tite One Step Foamable Adhesive*** directly to the substrate, using a ribbon pattern. As adhesive is applied, immediately place insulation boards 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 replacing the One Step mixing tip.

EQUIPMENT:

- Multi-Bead Plus Applicator (13 bead capability)
- Multi-Bead Applicator (4 beads)
- Battery Powered Single Bead Applicator
- Pneumatic Single Bead Applicator
- Stand up Single Bead Applicator
- Ultra Drive Manual Single Bead Applicator
- Heavy Duty Manual Single Bead Applicator

SAFETY:

Prior to working with any product, be sure to read labels and the Material Safety Data Sheets (MSDS). Take necessary health and safety precautions.

STORAGE:

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

PACKAGING:

4-1.5L Cartridges/Case

COVERAGE:

600 Sq.ft.per/Case

Coverage estimates indicate total sq.ft. of insulation attachment per case. Rates are based on an application pattern of 4 ribbons, ½" wide, 12" o.c. per 4' x 4' board.

Coverage rates may vary when used over irregular surfaces.