

Millennium Adhesive Companies



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TECHNICAL BULLETIN: Procedures to Follow When Adhering Approved Insulation Boards to a Gravel Surface Roof

1. Existing roof must be completely clean of any loose debris and gravel. This may entail vacuuming; power brooming, or a combination of both. Hydro vacuuming would be an acceptable method; but if used, 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 to place insulation boards on top of.
3. Wet insulation and/or felts should be identified and removed
4. Adhesion tests may be required; this will be determined by project requirements and warranty considerations.
5. The roof surface must then be blown off with a power blower.
6. The surface must be primed using our **Weather-Tite Universal Primer**.
7. Due to anticipated surface irregularities of a gravel surface roof, the application will require more adhesive than our standard rates. The standard rate is 600 sq.ft. (56m²) per case. Anticipated coverage rates will be in the range of 300 to 400 sq.ft. (28m² to 37m²) per case.
8. A WTT Systems, LLC Warranty Request Form must be submitted to this office for review and approval prior to application over a gravel surface BUR.

Depending on surface irregularities, lineal foot coverage per cartridge set may be reduced to a range of 75 to 100 lineal ft (23 to 31 lineal meters).

WTT Systems cannot be held responsible for structural integrity of the deck or surface preparation when installing over a gravel surface.

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.