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TECHNICAL BULLETIN:
#TB21050605-A

Procedures to Follow When Adhering Approved Insulation Boards to a Lightweight Insulation Concrete Deck

1. Surface of the Lightweight Insulating Concrete (LWIC) should be clean, dry, smooth, and free of fins, depressions, sharp edges, dirt, dust, debris, oils and other contaminants that may result in a surface that is not sound or is un-even.
2. If an existing roof will be removed prior to the installation of the adhesive, all loose material must be removed. Damaged areas to the deck must be repaired with an approved patching compound to create a flat surface to place insulation boards or new roof membrane on top of.
3. The deck surface must be blown off with a power blower.
4. New LWIC must be sufficiently dry to receive the adhesives. Consult the LWIC manufacturer for drying time requirements.
5. If the LWIC deck shows sign of a moisture content, install an approved vapor retarder adhered at 6" (15.24cm) o.c. with *Weather-Tite Hurricane Force Black Foam*.
6. Adhesion or bonded pull tests may be required, this will be determined on project criteria and warranty requirements.
7. A WTT Systems, LLC Warranty Request Form must be submitted to this office for review and approval prior to application over a lightweight concrete deck.

All Weather-Tite materials will need to be installed in accordance to our most current written guidelines.

WTT Systems cannot be held responsible for the structural integrity and performance of the existing deck.

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 un-even 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 Tip.

EQUIPMENT:

- One Step Multi-Bead Plus Adhesive Applicator (13 bead capability)
- One Step Multi-Bead Adhesive Applicator (4 beads)

- One Step Battery Powered Single Bead Applicator
- One Step Pneumatic Single Bead Applicator
- One Step Stand Up Single Bead Applicator
- One Step Ultra Drive Manual Single Bead Applicator
- One Step 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° – 85°F (18° – 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'x4' board.

Coverage rates may vary when used over irregular surfaces.