



INSTA-STIK™ Professional roofing adhesive



INSTA-STIK® Professional Roof Insulation Adhesive

Factory Mutual System
Approved
FM Class 1-90 to 1-315
(includes tapered systems)

Metro Dade County
Acceptance Number: 08-0025-02
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UL 1897
INSULATION Adhesives For Roofing Systems
Classified by Underwriters Laboratories, Inc.
(Special Deck Applications)

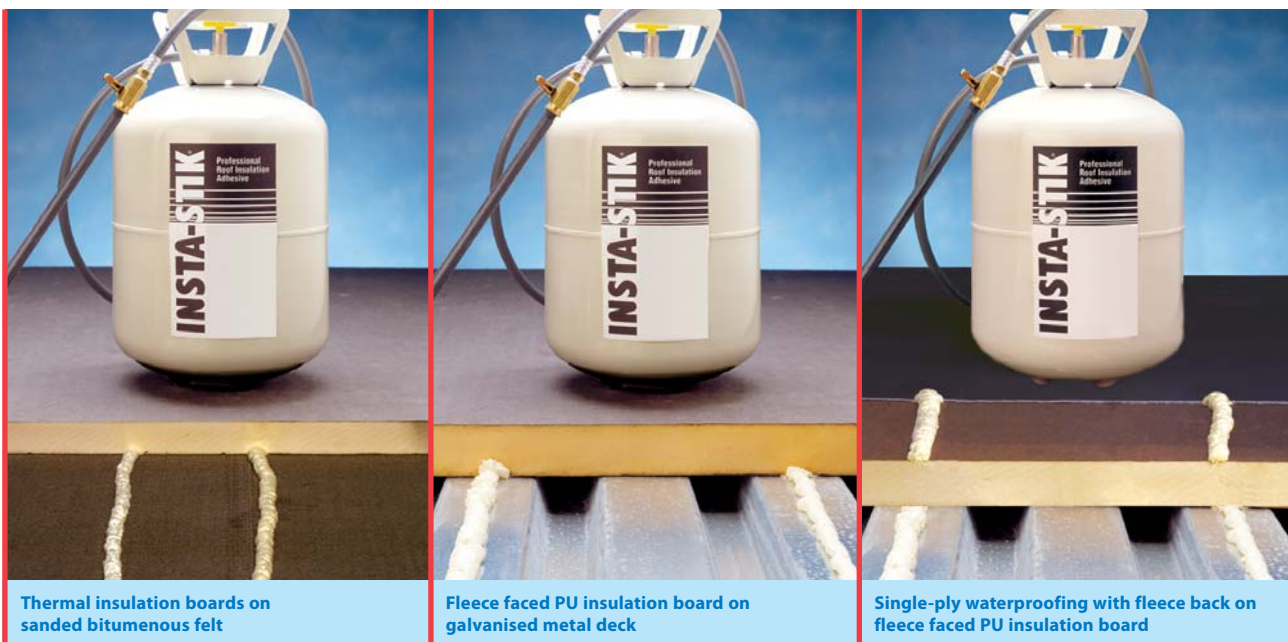
**INSTA
STIK**

INSTA-STIK™ – the portable roofing adhesive



INSTA-STIK™ roofing adhesive for professionals has been developed for the attachment of insulation boards and single-ply polymeric waterproofing membranes to a variety of substrates on flat roofs. Single-ply membranes have to be fleecebacked. The compatibility of these membranes to any adjacent layer must be proven.

INSTA-STIK™ is offered as a portable, pressurized container requiring no external power source. It is a cold applied system that is already expanded when dispensed. INSTA-STIK™ is quick, clean and easy to use and provides fast adhesion.



Thermal insulation boards on sanded bitumenous felt

Fleece faced PU insulation board on galvanised metal deck

Single-ply waterproofing with fleece back on fleece faced PU insulation board

INSTA-STIK™ roofing adhesive is compatible with the following insulation boards:

- »» Glass tissue faced boards
- »» Bituminous felt faced boards
- »» Rock fiber boards
- »» Extruded polystyrene boards (XPS)
- »» Expanded polystyrene boards (EPS)
- »» Cellular glass insulation boards
- »» Cork insulation boards
- »» Wood fiber boards
- »» Foamed silikar boards

The Multi-Bead Applicator

On roof decks with few penetrations or obstructions, INSTA-STIK™ can be dispensed at an increased rate by using the Multi-Bead Applicator (MBA-28).

INSTA-STIK™ roofing adhesive is compatible with the following substrates:

- »» Oriented strand boards (OSB)
- »» Sanded bituminous membranes in existing flat roofs
- »» Mastic asphalt
- »» Concrete decks
- »» Galvanized metal decks
- »» Plywood

For information on compatibility of INSTA-STIK™ roofing adhesive to other building materials and substrates than listed, please refer to the local Dow office or distributor of INSTA-STIK™ products.

Generally, the compatibility of adjacent layers bond with INSTA-STIK™ roofing adhesives must be proven by manufacturers of the layers.

Important notes:

Generally, but especially for galvanized metal decks, surfaces must be free from oil and grease.

Before installation, the suitability of the roof assembly to resist wind loading must be assessed in accordance with national requirements.



How to use INSTA-STIK™ roofing:

Before starting application of INSTA-STIK™ roofing adhesive:

- »» Substrate should be clean and dry
- »» Wear protective eyewear and gloves

1. Remove cylinder from the carton. Shake vigorously for a minimum of one minute using a side-to-side motion before attaching hose.
2. Attach the swivel hose fitting on the end of the dispensing hose to the threaded port of the cylinder valve. Once it is seated properly, tighten securely.
3. Make sure brass ON/OFF valve attached to dispensing hose is in the OFF position.
4. Attach the double threaded wand to the dispensing hose ON/OFF valve. Hand tighten.
5. Slowly open the valve at the top of the cylinder until it is completely open. CHECK FOR LEAKS. If there are no leaks, INSTA-STIK™ is ready for use.
6. Before dispensing INSTA-STIK™ roofing adhesive, slowly move the trigger of the ON/OFF valve to the ON position. Flow may be controlled by this ON/OFF valve.
7. About 5 seconds before you want INSTA-STIK™ to stop flowing, close the ON/OFF valve by moving the trigger to the OFF position. It is normal for a small amount of adhesive to flow from the nozzle after the valve is closed.
8. The INSTA-STIK™ bead size should be between 19–25 mm. The required distance between the beads may vary with building perimeter band of the roof, depending on slope as well as building and parapet wall height. To calculate the amount of INSTA-STIK™ needed as well

as the distance between the beads please refer to the INSTA-STIK™ data sheet.

9. When applying INSTA-STIK™, the insulation boards must be placed end-to-end with staggered joints in alternating rows. Set board into the adhesive beads within three minutes. Walk on the boards immediately to spread the beads for maximum contact. Continue to walk on the insulation boards every 5–7 minutes until the insulation is firmly attached, usually 20–45 minutes.

NOTE: Humidity directly affects curing time. Under low humidity conditions, the insulation boards must be walked on more often until firmly attached.

10. When using 600x1200 mm or smaller insulation boards, the beads should be placed across the 600 mm width.
11. After emptying INSTA-STIK™ place the wand and hose on a new INSTA-STIK™ canister. Procedure: Close valve tank, open on/off trigger valve to release residual pressure. Wearing gloves and protective eyewear undo the swivel hose fitting from the tank and transfer to a new tank. Dispense some INSTA-STIK™ immediately.
12. Before disposal the empty canister should be placed upside down in the original carton and the valve opened to release any residual pressure.

Features and benefits of INSTA-STIK™ roofing adhesive:

- »» Fast, clean and easy to apply
- »» Provides fast and good adhesion
- »» Can be used with very short preparation time – no heating required
- »» No primer needed – no wait to dry
- »» Safe in use – no fire risk
- »» Clean in use – no fumes, no dust
- »» No damage to substrate by mechanical fixation
- »» No thermal bridging
- »» No visible fasteners on the back of the substrate
- »» High yield: INSTA-STIK™ canister adheres to approximately 87m²
- »» INSTA-STIK™ might be used on vertical substrates (e.g. upstands)
- »» Consistent to apply due to the use of a professional wand applicator



Further recommendations

- >>> Storage between temperatures of +15 °C and +30 °C for best results
- >>> Ambient and substrate temperature +5 °C to +40 °C
- >>> Between using INSTA-STIK™ (including overnight) leave the valve on the top of the tank open, and close ON/OFF valve leaving adhesive in the hose length.
- >>> If the end of the wand becomes blocked cut off approximately 10–25 mm until clear.
- >>> **All pressure must be released from cylinder before disposal.**
Thereafter canister is common steel waste for a scrap yard.
- >>> Minimum thickness of steel in metal decks: min. 20 mm gauge steel – min. 0,92 mm standard steel – min. 1,00 mm galvanize steel.

Distributed by:



Dow Europe GmbH
Verkauf Schweiz
Bachtobelstrasse 3
CH-8810 Horgen

www.dowconstruction.eu