



**DOW**

**Insta-Stik**

**Professional Roof Insulation Adhesive**

Insta-Stik professional roof adhesive is a single component polyurethane adhesive dispensed from a portable, disposable pre-pressurized container requiring no external power source.

Insta-Stik is used to attached compatible roof insulation boards to roof decks and substrates in new construction and roof replacement applications. This includes insulation board to insulation board, insulation board to Class 1 non-graveled (bald) build-up roofs for re-cover applications and insulation or gypsum board to 22 gauge and thicker steel decks and wood decks.

**Wood Deck:**

Insta-Stik works on wood decks whenever metal fasteners are not desired. The insulation is securely held without damaging the structural integrity of the wood deck. When the underside of the deck is visible, there are no unsightly fasteners points sticking through.

**Concrete Deck:**

Roof top productivity is greatly increased by using Insta-Stik. No tedious and noisy predrilling required. Compatible with EPS (expanded polystyrene) insulation and wood fiber board, Insta-Stik gives you the ability to choose the right insulation type for the job.

**Metal Deck:**

Insta-Stik is the smart choice when it comes to metal decks. when the project demands that no fasteners penetrate the deck due to electrical conduits, exposed underside of deck, thermal bridging concerns, or environmental conditions, then Insta-Stik is your proven fastener.

**Non-compatible Applications**

**Non-compatible Roof Insulation Boards:**

- Extruded polystyrene
- Fiberglass

**Non-compatible Substrates:**

- Coal tar pitch built-up roofs
- Lightweight insulating concrete
- Active asphalt

**Composition & Materials**

Insta-Stik Professional Roofing Adhesive is a single component, moisture cured polyurethane adhesive. Insta-Stik is free of conventional solvents. Insta-Stik Complete is supplied in a 30 Lb (14 kg) unit, 23 Lb (10 kg) net chemical weight, with a 4' (1 m) flexible dispensing hose and two 14" (356 mm) PVC dispensing wands, with coupler. A brass ball valve at the end of the dispensing hose allows operational control for single-hand application. Insta-Stik Tank Only is supplied in a 30 Lb (14 kg) unit, 23 Lb (10 kg) net chemical weight, with no dispensing equipment. The tank only is ideal for use with the Multi-Bead Applicator.

**Accessories:**

The dispensing of Insta-Stik can be dramatically increased using the Multi-Bead Applicator (MBA-28) and Day Pak System (DPS-4) accessory kits. The MBA-28 dispenses 4 equidistant beads of Insta-Stik within a 4' (1 m) wide path. Each MBA-28 is supplied with 2 Day Pak Systems. The DPS-4 is the dispensing tubing for the MBA-28. The DPS-4 must be replaced daily or whenever cured Insta-Stik blocks or restricts flow within the tubing. The use of the MBA-28 is recommended on roof decks with few penetrations and obstructions.

**Limitations**

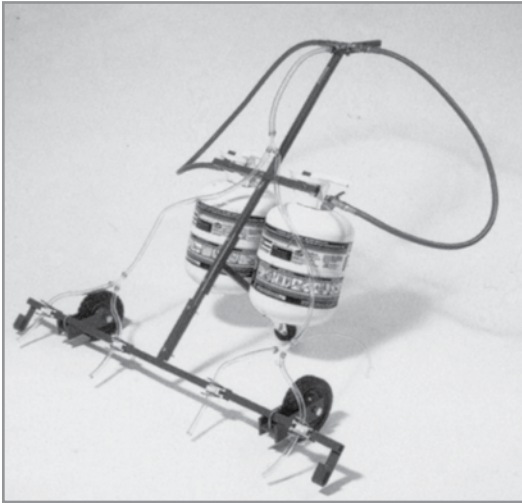
- Insta-Stik is not recommended for use with insulation boards larger than 4' X 4' (1 m X 1 m).
- Insta-Stik is not recommended for residential roofing applications.
- Insta-Stik is not recommended for application when surface or ambient temperatures are below 40° F (4° C) or above 110° F (43° C).
- Insta-Stik is not recommended for use during inclement weather.
- Insta-Stik is not recommended for use on wet surfaces.
- Insta-Stik is not recommended for use on gravel, excessively dirty, or grease-laden surfaces.
- Insta-Stik is not approved for use if the product has expired.
- Insta-Stik is not recommended for use on roof decks greater than 2:12 slope. For higher slopes, contact Technical Support.
- Insta-Stik is not recommended for use in attaching base sheets and membranes.

Flexible Products Company accepts no responsibility for judging the acceptability of the roof substrate or for the roof systems structural integrity.





## TECHNICAL DATA



### Approvals

#### Factory Mutual (FM):

Insta-Stik professional Roofing Adhesive meets the requirements of the following FM fire and wind uplift resistance tests for FM approved roof deck applications:

#### Flat

- Class 1-60      • Class 1-150      • Class 1-195      • Class 1-240
- Class 1-90      • Class 1-165      • Class 1-210      • Class 1-270
- Class 1-135      • Class 1-180      • Class 1-225

#### Tapered

- Class 1-135      • Class 1-165      • Class 1-195      • Class 1-315
- Class 1-150      • Class 1-180      • Class 1-240

Insta-Stik has the only industry adhesive approval on tapered systems. Please consult with Technical Support or Flexible Products' listing in the latest Factory Mutual Approval Guide for details.

Dade County (Florida)

Insta-Stik Professional Roofing Adhesive meets the requirements of Metropolitan Dade County, Florida, windstorm and fire classifications for roof deck applications.

Insta-Stik is packaged in a single container that should be stored between 45° F (7° C) and 75° F (24° C). At these temperatures, the shelf life is 8 months from date of manufacture. The minimum product temperature at the time of application should be 70° F (21° C). The minimum ambient and surface temperatures must be 40° F (4° C).

### Insta-Stik Handling Characteristics

Temperatures	Tackfree Time
40° F (4° C), 50% RH	35 minutes
75° F (24° C), 50% RH	15 minutes
120° F (49° C), 25% RH	13 minutes

### Insta-Stik Application Rates <sup>1</sup> Based On 3/4"-1"(19.1-25.4 mm) Diameter Bead

Building Height Ft (m)	Parapet Wall Height In (mm)	Perimeter Band Width Ft (m)	Perimeter Application Rate In (mm) OC	Field Application Rate In (mm) OC
0-20 (0-6)	0-24 (0-610)	3 (0.9)	6 (152)	12 (305)
	25+ (635+)	0	12 (305)	12 (305)
21-40 (6-12)	0-24 (0-610)	6 (2)	6 (152)	12 (305)
	25-48 (635-1219)	3 (0.9)	6 (152)	12 (305)
	49+ (1245+)	0	12 (305)	12 (305)
41-70 (13-21)	0-24 (0-610)	9 (3)	6 (152)	12 (305)
	25-48 (635-1219)	6 (2)	6 (152)	12 (305)
	49+ (1245+)	3 (0.9)	6 (152)	12 (305)
71-100 (22-31)	0-24 (0-610)	12 (4)	6 (152)	9 (229)
	25-48 (635-1219)	9 (3)	6 (152)	12 (305)
	49+ (1245+)	9 (3)	6 (152)	12 (305)
101-200 (31-61)	0-24 (0-610)	12 (4)	6 (152)	9 (229)
	25-48 (635-1219)	12 (4)	6 (152)	9 (229)
	49+ (1245+)	12 (4)	6 (152)	12 (305)
201-300 (61-91.5)	0-48 (0-1219)	12 (4)	6 (152)	9 (229)
	49+ (1245+)	12 (4)	6 (152)	9 (229)
301+ (91.8+)	--	0	6 (152)	6 (152)

<sup>1</sup> Coverage is approximately 500-800 ft<sup>2</sup> (47-74m<sup>2</sup>) per 23 lb (10 kg) tank of Insta-Stik depending on bead size.

### Physical Properties of Insta-Stik Roofing Adhesive

Tensile Adhesion Concrete/Concrete	Lap Shear Adhesion Carbon Steel/Carbon Steel	Lap Shear Adhesion Galvanized Steel/Galvanized Steel	Peel Adhesion To Concrete
259 psi (1785 kPa)	342 psi (2356 kPa)	328 psi (2262 kPa)	18 lbf (80 N)
Note: Samples cured for 7 days at 75° F (24° C) 50% RH.			