



## INSTA STIK™ ROOFING STD

<b>Description</b>	<p><b>INSTA-STIK™ ROOFING STD</b> is a moisture-curing one-component polyurethane roofing adhesive, specifically designed for use with wand and hose dispensing accessory. Adhesive is supplied in portable, pressurized container requiring no external power source. It contains an environmentally safe propellant, which complies with the latest EU regulations on the use of fluorinated greenhouse gases in one component polyurethane foams.</p>
<b>Typical areas of Application</b>	<p>Product has been specifically designed for use with wand and hose dispensing accessory. It provides permanent and durable bond for new roof or roof replacement applications, to adhere:</p> <ul style="list-style-type: none"> <li>• compatible insulation boards to a wide range of substrates on flat roofs</li> <li>• compatible insulation boards to compatible insulation boards on flat roofs and</li> <li>• compatible fleece-back membranes to a wide range of substrates on flat roofs</li> </ul>
<b>Packaging and Accessories</b>	<p>Product part GMID# 11007354                      1 steel cylinder in carton box (Net weight: 10.4kg; Gross weight: 13.6kg)                      1 operating instruction leaflet</p> <p>Accessories:                      Part GMID# 341623 includes 10 items of:                      1 flexible dispensing hose                      1 dispensing wand.</p>
<b>Handling and Storage</b>	<p>Store and transport cylinders always in an upright position and in dry, frost free conditions.                      Storage temperature: +10°C to + 25°C                      Shelf life: 18 months</p>
<b>Recommended Processing Conditions</b>	<p>Prior to applying the adhesive, surfaces must be firm, clean, and free of dust, grease or loose particles. Not approved for use on wet surfaces or on decks with standing water.</p> <p><b>INSTA STIK™ ROOFING STD</b> can be used at ambient temperatures from +10°C to +35°C. For optimal results, the product temperature at the time of application should be between +18°C and +25°C.</p> <p>Fully cured foam is thermally stable between - 40°C and +100°C. It is durable and permanent except when exposed to UV-rays.</p> <p><b>INSTA-STIK™ ROOFING STD</b> has been designed to be used in low slope commercial roofing applications. It is not approved for use on decks greater than 2:12 slope.</p>

## Recommended Application Conditions

Getting **INSTA STIK™ ROOFING STD** ready for use:

1. Remove cylinder from the carton.
2. Shake vigorously for minimum 20 seconds using a side-to-side motion before attaching the flexible hose. Shaking should be repeated during application.
3. Attach the swivel hose fitting on one end of the flexible hose to the cylinder valve. Once it is seated properly, tighten securely with the provided tool.
4. Make sure brass **ON/OFF** valve attached to the dispensing hose is in the **OFF** position.
5. Attach the double threaded wand to the dispensing hose **ON/OFF** valve. Hand tighten.
6. Slowly open the valve at the top of the cylinder until fully open. Check for leaks. If there are no leaks, **INSTA STIK™ ROOFING STD** is ready for use.
7. Before dispensing **INSTA-STIK™ ROOFING STD**, point wand in empty carton to allow for initial burst.
8. To dispense **INSTA-STIK™ ROOFING STD**, slowly move the trigger of the **ON/OFF** valve to the **ON** position. Flow may be controlled by this **ON/OFF** valve.
9. About 5 seconds before you want **INSTA-STIK™ ROOFING STD** 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.

To ensure optimal quality, do not apply **INSTA STIK ROOFING™ STD** with any other accessory than the supplied wand and hose kit.

**INSTA-STIK™ ROOFING STD** bead size should be 19mm to 25mm wide. The distance between the beads may vary with building height, parapet walls... Refer to the datasheet application table below.

### Applying insulation boards:

The insulation boards must be placed end-to-end with joints in alternating rows. It is recommended to place beads perpendicular to the larger board section. In multiple layers of insulation, the staggered joint method must be used to eliminate thermal breaks. **INSTA-STIK™ ROOFING STD** beads should be dispensed perpendicular to the direction beads were dispensed on previous layer. Set boards into the beads within 3 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. Humidity directly affects curing rate. Under low humidity conditions, the adhesive cures slower and the insulation boards must be walked on more often until firmly attached.

For details on temporary storage, restart, disposable, refer to the Operating Instructions provided in the carton box

## Typical Product Properties

INSTA-STIK™ ROOFING STD is tested extensively by Factory Manual and Underwriters Laboratories and other European testing authorities (more details upon request.)

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### Typical Compatible Roof Insulations

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Mineral wool fiber boards
Expanded polystyrene boards
Cellular foam glass
Wood fiber boards
Perlite
Oriented strand boards
Polyisocyanurate boards
Fiberglass faced gypsum roof boards
Cork
Bituminous felt faced boards
Extruded polystyrene boards (DOW STYROFOAM™)

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### Typical Compatible Roof Decks and Substrates

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Existing bituminous felt roof
Sanded finish felt vapor control layer
Asphalt
Pre-cast / lightweight structural concrete
Poured-in-place concrete (28 days cured min.)
Cementitious wood fiber plank (pull test required)
Lightweight structural plank
Approved vapor layers (call Technical Support)
Galvanized steel decks (min. 0.7mm gauge steel)
Plastisol coated steel
Painted steel
Plywood
Sanded bituminous felt
Galvanized metal deck
Fleece-back membranes

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Not recommended for (non-exhaustive list):

- Insulation boards with foil fascia
- Active asphalt substrate
- Insulation boards to a polyurethane vapor control
- Bitumen surface to bitumen surface
- PIB membranes

Coverage is approximately 100m<sup>2</sup> per tank of INSTA-STIK™ ROOFING STD when distance between beads is 30cm.

Coverage is approximately 70m<sup>2</sup> per tank of INSTA-STIK™ ROOFING STD when distance between beads is 20cm.

Typical Physical Properties <sup>(1)</sup>	Units	Value	Test Method
Colour	-	Light yellow	Visual
Tack Free Time	min	9	DOW Internal Method
Free Rise Density	kg/m <sup>3</sup>	37	DIN 53420

<sup>(1)</sup>Based on test methods mentioned above, all data are given for non-aged foam evaluated @ 23°C, 50 % relative humidity.

### Application Rates<sup>(2)</sup>

Building height [m]	Parapet wall height [mm]	Perimeter band width [m]	Attachment of Insulation Boards		Attachment of Fleece-Back Membranes	
			Perimeter application rate [mm]	Field application rate [mm]	Perimeter application rate [mm]	Field application rate [mm]
0 – 6.0	0 – 600	1	150	300	150	200
	600+	0	300	300	200	200
6.0 – 12	0 – 600	2	150	300	150	200
	600 – 1200	1	150	300	150	200
	1200+	0	300	300	200	200
12 – 21	0 – 600	3	150	300	150	200
	600 – 1200	2	150	300	150	200
	1200+	1	150	300	150	200
21 – 31	0 – 600	4	150	300	150	200
	600 – 1200	3	150	300	150	200
	1200+	3	150	300	150	200

<sup>(2)</sup> Based on 19-25 mm diameter bead. Evaluated internally, based on the Factory Mutual Loss Prevention Manual.

## Safety Considerations

Material Safety Data Sheet (SDS) is available from The Dow Chemical Company. SDS sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS sheets are updated regularly, therefore, please request and review the most current SDS sheet before handling or using any product. These are available from the nearest Dow sales office..

## Customer Notice

Dow encourages its customers to review their application of Dow products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel will assist customers in dealing with ecological and product safety considerations. Your Dow sales representative can arrange the proper contacts

### Contact information:

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Consumer & Building products, visit  
The Dow Chemical Company:  
[www.dowbuildingsolutions.eu](http://www.dowbuildingsolutions.eu)

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