



## Dow Building Solutions

# INSTA STIK™ Quik Set Commercial Roofing Adhesive

## Product Information

### 1. PRODUCT NAME

INSTA STIK™ Quik Set Commercial Roofing Adhesive

### 2. MANUFACTURER

The Dow Chemical Company  
Dow Building Solutions  
200 Larkin  
Midland, MI 48674  
1-866-583-BLUE (2583)  
Fax 1-989-832-1465

Dow Chemical Canada Inc.  
Dow Building Solutions  
2400, 215 – 2 Street S.W.,  
Calgary, Alberta T2P 1M4  
1-866-583-BLUE (2583) (English)  
1-800-363-6210 (French)

[www.dowbuildingsolutions.com](http://www.dowbuildingsolutions.com)

### 3. PRODUCT DESCRIPTION

INSTA STIK™ Quik Set Commercial Roofing Adhesive is a single component polyurethane adhesive dispensed from a portable disposable pre-pressurized container requiring no external power source.

#### Basic Use

INSTA STIK™ Quik Set is used to attach compatible roof insulation boards to roof decks and substrates in new roof and roof replacement applications, including insulation board to insulation board, insulation board to Class I graveled and nongraveled (bald) built-up roofs for re-cover applications, and insulation or gypsum board to 22 gauge and thicker steel decks and wood decks.

#### Advantages

- No outside power source required
- No off-ratio concerns
- No overspray
- No fastener/steel deck corrosion
- No fastener back-out
- Resists effects of freeze/thaw cycles
- No reduction in thermal performance due to mechanical fasteners
- No structural deck damage caused by mechanical fasteners
- No compressed or melted insulation
- VOC-free
- No obnoxious odor
- No noise or vibration disruptions
- No building height restrictions
- No puncturing of vapor retarders
- Replaces hot asphalt

#### Roof Deck Applications

INSTA STIK™ Quik Set can be used to attach multiple insulation layers and coverboards to compatible decks and substrates.

#### Compatible Roof Insulations:

- STYROFOAM™ Brand DECKMATE™ Plus FA, Type IV
- Polyisocyanurate (min. 1.5" [3.8 cm] thickness)
- High density wood fiber
- Perlite
- Expanded polystyrene, 1.0 pcf (16 kg/m<sup>3</sup>) minimum (min. 2" [5 cm] thickness)
- Oriented strand board (OSB)
- DensDeck gypsum roof board (trademark of Georgia-Pacific)
- USG SECUROCK fiber-reinforced roof board (trademark of USG Corporation)

#### Compatible Roof Decks and Substrates:

- Poured-in-place concrete, minimum 2 8-day cure
- Precast structural concrete
- Lightweight structural concrete, poured or plank
- Cementitious wood fiber plank (pull test required)
- Vapor barriers
- Non-graveled (bald) Class I built-up roofs (pull test required)
- Graveled built-up roofs (pull test required)
- Spudded built-up roofs (pull test required)
- Steel (primed or painted), 22 gauge
- Wood

Additional preparation procedures are necessary for graveled and spudded built-up roofs. Refer to insulation manufacturer's FM Approvals listing for minimum insulation thickness requirements.

The FM Approvals are for specific combinations of insulation materials and substrates. Please consult FM Approvals or Dow to determine if the combination of roofing materials for a specific roofing project meets the desired approval required.

#### Steel Deck Applications

##### Compatible Steel Deck Types:

- Minimum 22 gauge steel; Types A, B, E, F, H and N
- INSTA STIK™ Quik Set can be used as a non-warranted, temporary attachment (for up to 30 days) with compatible insulation for standing seam metal roof applications

Compatible Roof Insulation and Gypsum Boards to Steel Decks:

- Perlite
- Polyisocyanurate
- Fire-rated gypsum board; 5/8" (15.9 mm) minimum thickness
- DensDeck fiberglass-faced gypsum roof board (trademark of Georgia-Pacific); 1/4" (6.4 mm) minimum thickness

#### **Non-Compatible Applications**

Non-compatible Roof Insulation Boards:

- Fiberglass
- Foil-faced insulation

Non-compatible Substrates:

- Coal tar for pitch built-up roofs
- Lightweight insulating concrete
- Active asphalt\*
- Unapproved base sheets

#### **Composition And Materials**

INSTA STIK™ Quik Set is a single component, moisture-cured polyurethane adhesive that is free of conventional solvents.

INSTA STIK™ Quik Set Complete is supplied in a 31 lb (13.6 kg) unit, 23 lb (10.4 kg) net chemical weight, with a flexible dispensing hose and wand assembly. An on/off ball valve at the end of the dispensing hose allows operational control for single-hand application.

INSTA STIK™ Quik Set Tank Only is supplied in a 30 lb (13.6 kg) unit, 23 lb (10.4 kg) net chemical weight, with no dispensing equipment.

#### **Limitations**

INSTA STIK™ Quik Set is not approved for use:

- for polyisocyanurate insulation boards exceeding 4' x 4' (1.2 m x 1.2 m); all other insulation and re-cover boards can be adhered up to a 4' x 8' (1.2 m x 2.4 m) size
- when surface or ambient temperatures are below 33°F (1°C) or above 110°F (43°C) (application)
- during inclement weather
- on wet surfaces or on decks with standing water
- on surfaces with frost, ice or snow
- on loose gravel or on excessively dirty or grease-laden surfaces
- if the product has expired
- in attaching base sheets and membranes
- on all active asphalt

INSTA STIK™ Quik Set is not recommended for use on roof decks greater than 2:12 slope. For higher slopes, contact Dow for additional guidelines.

Dow accepts no responsibility for judging the acceptability of the roof substrate or for the roof system's structural integrity.

#### **Accessories**

The dispensing of INSTA STIK™ Quik Set can be dramatically increased using the Multi-Bead Applicator from Dow. The use of the applicator is recommended on roof decks with few penetrations and obstructions.

Please contact Dow for availability.

## **4. TECHNICAL DATA**

### **Applicable Standards**

Underwriters Laboratories, Inc. (UL) – UL 1897 Standard for Safety for Uplift Tests for Roof Covering Systems

Note: INSTA STIK™ Quik Set Commercial Roofing Adhesive has been tested under UL 1897 wind uplift resistance tests for steel deck applications. If INSTA STIK™ Quik Set is used in a UL Class A rated roofing system, the roofing system will maintain its UL Class A rating.

### **Approvals**

FM Approvals:

INSTA STIK™ Quik Set meets the requirements of the following fire and wind uplift resistance tests for roof deck applications approved by FM Approvals:

Flat (Specific Roof Assembly)

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

Tapered (Specific Roof Assembly)

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

Dade County (Florida):

INSTA STIK™ Quik Set meets the requirements of Miami Dade County, Florida, windstorm and fire classification for roof deck applications.

Miami Dade Notice of Acceptance

Number – 12-0618.02, expires 10/10/2017.

Florida product approval FL720-R3.

## 5. INSTALLATION

INSTA STIK™ Quik Set Commercial Roofing Adhesive is easy to use. The ideal chemical temperature at the time of application should be 75°F (24°C). The minimum ambient and surface temperatures must be 33°F (1°C) and rising. INSTA STIK™ Quik Set is packaged in a single container that should be stored between 50°F and 75°F (10°C and 24°C). The shelf life is 15 months from the date of manufacture.

### Safety And Conditions Of Use

- Read the label and Material Safety Data Sheet carefully before use.
- INSTA STIK™ Quik Set contains isocyanate and a blowing agent. Do not breathe vapor or mist. Use in well-ventilated areas or wear proper respiratory protection. Isocyanate is irritating to the eyes, skin and respiratory system, and may cause sensitization by inhalation or skin contact.
- INSTA STIK™ Quik Set is very sticky and will adhere to most surfaces and skin. Do not get foam on skin. Wear gloves, and goggles or safety glasses. Cured foam must be mechanically removed or allowed to wear off in time.
- The contents are under pressure.
- For outside use only.

### Surface Preparation

All surfaces must be free of any debris, dirt, dust, grease, oil, diesel fuel and standing water before INSTA STIK™ Quik Set is applied. For detailed installation instructions, contact a local Dow representative or access the literature library at [www.dowbuildingsolutions.com](http://www.dowbuildingsolutions.com).

## 6. AVAILABILITY & COST

### Availability

INSTA STIK™ Quik Set Commercial Roofing Adhesive is available at authorized INSTA STIK™ Quik Set commercial roofing distributors in North America.

### Cost

INSTA STIK™ Quik Set and Multi-Bead Applicator pricing information can be obtained from authorized INSTA STIK™ Quik Set commercial roofing distributors. For more information and distributor locations, call:  
1-800-232-2436 (English)  
1-800-565-1255 (French)

## 7. WARRANTY

The Dow Chemical Company will warrant, at no additional cost, the adhesion of INSTA STIK™ Quik Set Commercial Roofing Adhesive for a period of ten (10) years to specified compatible materials and substrates. Requirements to qualify for a 10-year warranty include the following:

- Prior to commencement of job, a Pre-Job Qualification Form must be submitted to Dow.
- The contractor must receive the Letter of Intent to Warrant from Dow.
- The contractor must be an approved INSTA STIK™ Quik Set applicator.
- The contractor must apply the proper quantity of INSTA STIK™ Quik Set to achieve desired adhesion as per the Letter of Intent to Warrant.
- INSTA STIK™ Quik Set must be applied with Dow-approved dispensing equipment.
- The roofing substrate and insulation boards must be of a type approved by Dow as compatible with the use of INSTA STIK™ Quik Set.

- A certified INSTA STIK™ Quik Set instructor, authorized to perform adhesion tests, must be on site to complete a satisfactory adhesion test prior to the application of INSTA STIK™ Quik Set when required by the Letter of Intent to Warrant.
- The contractor must submit to Dow a copy of the signed Letter of Intent to Warrant, INSTA STIK™ Quik Set Job Start/Completion Notice, copies of all invoices showing the quantity of INSTA STIK™ Quik Set purchased, and any applicable warranty fees.
- With all installations, the roofing contractor is responsible for the cleanliness of the deck as well as ensuring that the insulation materials are in complete contact with the adhesive until it has completely cured.

Fifteen- or 20-year warranties may be purchased from Dow. Full system warranties are available through multiple membrane manufacturers. Contact Dow for more information.

## 8. MAINTENANCE

INSTA STIK™ Quik Set Commercial Roofing Adhesive and roof insulation components should be kept dry for the life of the roof.

## 9. TECHNICAL SERVICES

Dow can provide technical information to help address questions when using INSTA STIK™ Quik Set Commercial Roofing Adhesive. Technical personnel are available to assist with any roofing adhesive project. For technical assistance, call:  
1-866-583-BLUE (2583) (English)  
1-800-363-6210 (French)

## 10. FILING SYSTEMS

[www.dowbuildingsolutions.com](http://www.dowbuildingsolutions.com)



---

**In the U.S.****The Dow Chemical Company**

Dow Building Solutions  
200 Larkin Center, 1605 Joseph Drive  
Midland, MI 48674

**In Canada****Dow Chemical Canada Inc.**

2400, 215 – 2 Street S.W.,  
Calgary, Alberta T2P 1M4

**Technical Information**

1-866-583-BLUE (2583) (English)  
1-800-363-6210 (French)

**Sales Information**

1-800-232-2436 (English)  
1-800-565-1255 (French)

[www.dowbuildingsolutions.com](http://www.dowbuildingsolutions.com)

---

NOTICE: No freedom from any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries or regions. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DOW. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. The buyer assumes all risks as to the use of the material. Buyer's exclusive remedy or any claim (including without limitations, negligence, strict liability, or tort) shall be limited to the refund of the purchase price of the material. Failure to strictly adhere to any recommended procedures shall release The Dow Chemical Company, and its subsidiaries, of all liability with respect to the materials or the use thereof. The information herein is not intended for use by non-professional designers, applicators or other persons who do not purchase or utilize this product in the normal course of their business..

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult (Material) Safety Data Sheet ((M)SDS), call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

INSTA STIK™ Quik Set Commercial Roofing Adhesive products contain isocyanate and a blowing agent. Read the label and (Material) Safety Data Sheet ((M)SDS) carefully before use. Wear long sleeves, gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. For outside use only.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

Printed in the U.S.A.

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Form No. 179-05038-0417 CDP  
Form No. 178-00546-0417 CDP