

DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive

Gun-Applied, Fast-Curing Multipurpose Adhesive

FEATURES/BENEFITS

Description

DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive* is a single-component, moisture-cured polyurethane adhesive that is free from conventional solvents and dispensed from a portable, disposable pre-pressurized container requiring no external power source.

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 non-graveled (bald) built-up roofs for re-cover applications, and insulation or gypsum board to 22 gauge and thicker steel decks and wood decks.

Insta Stik™ Quik Set is versatile with a number of compatible applications, as described below:

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/m³) 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 DuPont 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

Ease of Use

DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive has a variety of cost and labor-saving benefits, including:

- 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
- Works well in wide range of temperatures (33°F/1°C to 111°F/43°C)
- 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

Available Sizes

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.

Complete System

The dispensing quantity of Insta Stik™ Quik Set can be dramatically increased using the Multi-Bead Applicator from DuPont. The use of the applicator is recommended on roof decks with few penetrations and obstructions. Please contact DuPont for availability.

TESTING

Applicable Standards

- Underwriters Laboratories, Inc. (UL) – UL 1897 Standard for Safety for Uplift Tests for Roof Covering Systems
- Class A UL 723 (ASTM E84) Surface Burning Characteristics of Building Materials
- NOTE: Insta Stik™ Quik Set 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

Florida product approval FL720-R7.

Warranty

Warranties available as described at building.dupont.com/warranties.

HANDLING

WARNING: For Professional Use Only. Read and follow the entire Handling section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. The information below is designed to protect the user and allow for safe use and handling of DuPont™ products. Follow all applicable federal, state, local and employer regulations.

Precautionary Statements

DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive is NOT approved for use:

- with 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; or 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 DuPont for additional guidelines.

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

Disposal

Dispose of any residual DuPont product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.

Supplemental Information

For assistance in determining the precise quantity of Insta Stik™ Quik Set needed for a specific roof, please consult the "E-Z Estimating Guide for Insta-Stik™ Quik Set Commercial Roofing Adhesive" at instastik.com.



**For more information visit us at
instastik.com
or call 1-800-448-9835**

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DuPont Polyurethane Foam Insulation and Sealants

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 call the DuPont Contact Center at 866-583-2583 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.

Insta Stik™ Quik Set adhesive contains 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 DuPont can give assurance that mold will not develop in any specific system.

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