

DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive

Compatibility Guidelines

Following is the general guideline of deck / insulation / coverboard compatibility with **DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive**. Please contact Technical Support at 1-866-583-2583 for additional information.

Decks/Substrates:

Concrete:

- New poured – requires 28 day cure.
- Lightweight structural concrete.
- Lightweight insulating is *NON-ACCEPTABLE*.
- Pre-cast concrete. Poured or Plank.
- Tiltup concrete.
- Existing decks – 15 & 20 year warranty requires a pull test. New decks do not require pull test.

Steel:

- 22 gauge minimum – lighter ga. decks have too much flex, therefore compromises the adhesion. *No aluminum decks.*
 - Gauges: 22, 20, 18
 - Types:
 - A – Narrow rib 6" top flute
 - B – Wide rib 2 ½" top flute
 - F – Intermediate rib 1 ¾" top flute
 - N – Deep rib 8" top flute
- The top flute (surface to receive **Insta Stik™ Quik Set Commercial Roofing Adhesive**) must be free from dirt, dust, grease, diesel fuel and residential shop oil coatings before applying **Insta Stik™ Quik Set Commercial Roofing Adhesive**. TSP, Acetone, naphtha solvent or a comparable cleaner may be used. Power washing may be used with discretion as an alternate means of cleaning. The top flute must be free of any cleaner residue and must be dry before applying **Insta Stik™ Quik Set Adhesive**.
- Existing steel decks (re-roofs) for a requested 15 or 20 year warranty requires a pull test. New decks do not require pull tests.

- No FM approvals unless base layer is mechanically attached and subsequent layers are being adhered with **Insta Stik™ Quik Set**.
- UL 1897 uplift rating 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.

Gypsum:

- Poured or plank is acceptable, however, *no FM approvals*.
- The gypsum deck must be in physically sound condition with no deterioration or water damage.
- Existing gypsum decks requesting a 15 or 20 year warranty must have a pull test. New decks do not require pull tests.
- Gypsum can be chalky and must be cleaned prior to any **Insta Stik™ Quik Set** application.

Wood (treated/untreated):

- Acceptable substrate; no FM approvals.
- Existing wood decks requesting a 15 or 20 year warranty must have a pull test. New decks do not require pull tests

Cementitious Wood Fiber (a/k/a Tectum):

- Acceptable substrate
- Pull test required on existing Tectum for 10, 15 or 20 year. New decks do not require pull tests.

Recover:

- Class 1 BUR
 - Smooth surfaced BUR must be cleaned (free of dirt, dust and debris) prior to the application of **Insta Stik™ Quik Set**.
 - Graveled BUR. Loose gravel spudded and removed prior to the application of **Insta Stik™ Quik Set**
 - Meets windstorm classification of the roof cover/insulation combination with a max of FM class 1-90 but may not exceed the windstorm classification of existing roof assembly.
 - All recover applications require a pull test.

Approved Vapor Barriers/Base Sheets:

- If not listed on current approval list, samples may be submitted for compatibility testing.
- No FM ratings.
- New/approved base sheets do not require pull tests.

High Density Asphalt Recovery Board such as Sopra Board

- Low density asphalt recovery boards are generally not compatible
- High density asphalt recovery board generally compatible
- A pull test is required
NON-COMPATIBLE SUBSTRATES/
INSULATION/COVERBOARDS

Coal tar pitch BUR's:

- The approved specification MUST call for a minimum of 2" base layer of insulation, using a light-colored membrane for reflection (i.e., TPO) and the project must be located in a low temp/low humidity geographical area. **DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive** must be applied at 6" o.c. for entire roof area. **Typically, non-compatible.**
- There are two simple tests that can be performed to determine whether or not the bitumen in a BUR (build-up roof) is asphalt or coal tar pitch.
 - Specific gravity test: Place a chip sized piece of the questionable bitumen into a small container filled with water. If the bitumen floats for a short period of time then slowly sinks to the bottom of the container, it is asphalt. The density of asphalt is about 1.27. If a chip sized piece of the bitumen sinks rapidly, it is coal tar pitch. The density of the coal tar pitch is about 1.63.
 - Smoke test: A pocket knife and a cigarette lighter can be used for this test. Place a chip sized piece of the bitumen on a hot knife blade. If the smoke generated is white/grey the bitumen is asphalt. If the smoke generated is yellow/green, the bitumen is coal tar pitch.

Lightweight insulation concrete:

- Typically used in roof systems to create drainage.
NOT STRUCTURAL. Always noncompatible, no exceptions.
Unapproved or non-tested base sheets/vapor barriers:

Unapproved or non-tested base sheets/vapor barriers:

- Unapproved or tested by DuPont and did not pass testing criteria.
- Non-tested – Specific product(s) have not been tested should be sent to DuPont for testing.

Fiberglass Reinforced Decks**Wet, dusty, greasy surfaces****Active asphalt surfaces****Plywood:**

- Use of any plywood as a coverboard is non-compatible with **Insta Stik™ Quik Set Commercial Roofing Adhesive**. Moisture in plywood will distort the board. COMPATIBLE INSULATION/COVER BOARDS:

Polyisocyanurate:

Must be 4' x 4' boards, use of 4' x 8' will void warranty. Use of NON foil faced Polyisocyanate boards only when using Insta Stik™ Quik Set.

- Flat
- Tapered
- Minimum thickness 1 ½"

Perlite:

- Flat
- Tapered
- Minimum thickness ¾"

EPS:

- Flat
- Tapered
- 1.0 pcf minimum

XPS:

- ONLY DuPont™ Styrofoam™ Deckmate™ Plus FA from DuPont™ Building Solutions
- Check with DuPont on any other XPS products prior to granting approval/non-approval.

Wood Fiberboard:

- Min. ½" thick

Dens-Deck and Dens-Deck Primed/Gypsum Boards:

- Min. ¼" thick

Oriented strand board (OSB)**DuPont™ Insta Stik™ Quik Set Commercial Roofing Adhesive****LIMITATIONS:**

- **Insta Stik™ Quik Set** is not approved with 4' x 8' Polyisocyanurate boards, must be 4' x 4'. (Note: All other insulation and cover boards are approved in 4' x 8' boards).
- **Insta Stik™ Quik Set** is not approved for applications below 33°F.
- **Insta Stik™ Quik Set** is not approved for use on wet surfaces or ponding water, ice, frost or snow.
- **Insta Stik™ Quik Set** is not approved for use on loose gravel, excessively dirty or grease-laden surfaces.
- **PRODUCT MUST BE WITHIN EXPIRATION DATE.** No warranties given or implied on expired product.
- **Insta Stik™ Quik Set** is not approved for use in attaching base sheets and membranes.

The blowing agent contained within this product can exhibit vapor flame limits under the right conditions. If specific operating conditions are such that concentrations of the blowing agent above the lower flammable limit can accumulate in areas with high relative humidity and in the presence of high-energy electrical discharges or other ignition sources, additional measures such as increased ventilation or coded electrical equipment (class one, division two) may be warranted.

DO NOT SMOKE DURING USE. DO NOT USE NEAR ANY OPEN FLAME OR ELECTRICAL SOURCE. OUTDOOR USE ONLY. INDOOR USE INCREASES LIKELIHOOD OF IGNITABLE CONDITIONS.



**For more information visit us at
building.dupont.com
or call 1-866-583-2583**

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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 DuPont 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. The blowing agent contained within this product can exhibit vapor flame limits under the right conditions. If specific operating conditions are such that concentrations of the blowing agent above the lower flammable limit can accumulate in areas with high relative humidity and in the presence of high-energy electrical discharges or other ignition sources, additional measures such as increased ventilation or coded electrical equipment (class one, division two) may be warranted. DO NOT SMOKE DURING USE. DO NOT USE NEAR ANY OPEN FLAME OR ELECTRICAL SOURCE. OUTDOOR USE ONLY. INDOOR USE INCREASES LIKELIHOOD OF IGNITABLE CONDITIONS. Insta Stik™ Quik Set Commercial Roofing Adhesive contains isocyanate and a blowing agent. Read the label and (Material) Safety Data Sheet ((M)SDS) carefully before use. Wear 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 insulation 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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