



INSTA STIK™ Quik Set Commercial Roofing Adhesive

COMPATIBILITY

Deck / Substrates

Concrete

- New poured – requires 28-day cure.
- Lightweight structural concrete. ***Lightweight insulating is non-acceptable.***
- Pre-cast concrete – poured or plank.
- Existing – pull test required for 15- and 20-year warranties. New decks do not require a pull test.

Steel

- 22 ga. minimum (lighter ga. decks have too much flex, therefore compromising the adhesion. ***No aluminum decks.***
- New steel must be clean of all residual shop oils with the use of a vinegar/water solution, Naphtha, or comparable cleaner.
- Existing steel decks (re-roofs) require a pull test for 15- or 20-year warranty. New decks do not require a pull test.
- ***No FM Approvals unless base layer is mechanically attached and subsequent layers are being adhered with INSTA STIK.***
- UL 1897 uplift rating for steel deck applications. If INSTA STIK 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.***
- Existing gypsum decks require a pull test for a 15- or 20-year warranty. New decks do not require pull tests.
- Gypsum can be “chalky” and must be cleaned prior to any INSTA STIK application.

Wood (treated/untreated)

- Acceptable substrate; however, ***no FM Approvals.***
- Existing wood decks require a pull test for a 15- or 20-year warranty. New decks do not require pull tests.

Cementitious Wood Fiber (Tectum)

- Acceptable substrate
- FM 1-90 rating
- Existing Tectum decks require pull tests for a 10-, 15-, or 20-year warranty. New decks do not require pull tests.

Recover

- Class 1 BUR
 - a) Smooth surfaced BUR -- must be cleaned and free of dirt, dust, and debris prior to application of INSTA STIK.
 - b) Graveled BUR – loose gravel must be spudded and removed prior to application of INSTA STIK.
 - c) All recover applications require a pull test.

NOTE: 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

Approved Vapor Barriers / Base Sheets

- If not listed on current approval list, samples may be submitted for compatibility testing. Follow ADR testing procedures. Contact Tom Morr of TRUFAST with questions at 800-443-9602 ext. 243.
- No FM ratings.
- New/approved base sheets do not require pull tests.

Non-compatible Substrates / Insulation / Cover Boards

Coal Tar Pitch BUR's

- NOTE: Dow has approved a few of these assemblies in the past; however, the 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 temperature/low humidity geographical area. INSTA STIK must be applied at 6" o.c. for the entire roof area. Typically, non-compatible.

Lightweight Insulation Concrete

- Typically used in roof systems to create drainage; **not structural**. Always non-compatible; no exceptions.

Unapproved or Non-tested Base Sheets / Vapor Barriers

- Unapproved – tested by the Dow Wilmington, IL facility and did not pass testing criteria.
- Non-tested – specific product(s) that have not been tested in Wilmington. Follow ADR testing procedures to have products tested prior to job start.

Fiberglass Reinforced Decks

Plywood

- Use of any plywood as a cover board is non-compatible with INSTA STIK. Moisture in plywood will distort the board and compromise the adhesion.

Compatible Insulation / Cover Boards

Polyisocyanurate

- **Must be 4' x 4' boards.** Use of 4' x 8' boards will void warranty.
- Flat
- Tapered

Perlite

- Flat
- Tapered

EPS

- Flat
- Tapered
- **1.0 pcf minimum**

XPS

- **Only** Dow's Deckmate Plus FA
- Check with Dow on any other XPS products for approval/non-approval.

Wood Fiberboard

- Minimum of 1/2" thick.

Dens-Deck and Dens-Deck Primed / Gypsum Boards

- Minimum of 1/4" thick

Oriented Strand Board (OSB)

INSTA STIK Limitations

- Not approved for use 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.
- Not approved for application below 33° F.
- Not approved for use on wet surfaces or ponding water, ice, frost, or snow.
- Not approved for use on loose gravel, excessively dirty, or grease-laden surfaces.
- **Products must be within expiration date.** No warranties given or implied on expired product.
- Not approved for use in attaching base sheets and membranes.