

Insta Stik™ Quik Set for Adhesive Attachment in Dryvit Outsulation® Systems

Dryvit Systems, Inc. is part of the Tremco Construction Products Group of companies which is focused on providing solutions for all six sides of the building envelope. We are dedicated to developing comprehensive products and systems for building envelope construction and restoration.

Insta Stik™ Quik Set

DuPont™ Insta Stik™ Quik Set Commercial Adhesive is a one-component, moisture-cured polyurethane adhesive. It has been evaluated for use in Outsulation X with XPS to bond the insulation to the WRB.

The following characteristics have been evaluated as they pertain to the application in these Outsulation Systems:

- Initial grab
 - Insta Stik™ provides less 'grab' than other cement-based adhesives and Tremgrip, so it will be necessary to provide temporary support for the insulation board during the adhesive cure process to prevent slippage when not using mechanical fasteners.
 - Pressure from the expanding adhesive may slightly displace the insulation during the first few minutes of curing/expansion. If this happens, it will be necessary to go back and slightly push it back into place as necessary to maintain a planar surface. This must be done prior to the adhesive curing.
- Performance in fire
 - An evaluation was conducted to evaluate the use of Insta Stik™ in testing to NFPA 285. From the evaluation report (Priest & Associates, 2021):
 - Insta Stik™ is used to bond XPS to the approved substrate (or water-resistive barrier (WRB) on the substrate) in the Outsulation X (ESR 3295) System.
 - Insta Stik™ must be applied with a vertical notch pattern for drainage.
 - The insulation listed for use in the ESRs does not exceed 5 ½ inches.
 - All aspects of the ESR must be adhered to (substrate, WRB, insulation type, mesh, base coat, finish, etc.).
- Adhesion
 - Tensile bond testing was conducted (ASTM C297) resulting in bond strength values exceeding the minimum requirement of 15 psi.
 - The insulation board must be placed into its final position before the Insta Stik™ adhesive develops a surface skin. This is dependent on the temperature and humidity at the time of application. Remove skinned adhesive and reapply fresh material as necessary.
- Adhesive pattern
 - The adhesive is applied to the back of the insulation board using beads applied in a vertical pattern. Insta Stik™ should be applied in vertical ribbons spaced approximately 8" o-c (7 ribbons per 4' board).