



TECHNICAL DATA SHEET

PANEL SET ADHESIVE™

Adhesive for Expanded Polystyrene
DS431

PRODUCT DESCRIPTION

Panel Set Adhesive is a premixed, noncementitious adhesive with a rapid cure time specifically designed for use in panelization plants.

BASIC USES

Panel Set Adhesive is used to bond expanded polystyrene (EPS) insulation board to exterior grade gypsum sheathing and other Dryvit-approved substrates for Outsulation®. Panel Set Adhesive is for use in panel plants exclusively and is not permitted for field applications.

ADVANTAGES

- Sets up quickly to enable rasping of EPS and application of base coat after approximately 2 hours under typical plant conditions.
- Premixed; no cement added.

COVERAGE

18.6 – 27.9 m² (200 - 300 ft²) per 27 kg (60 lb.) pail.

PROPERTIES

Drying Time:

Drying time is affected by relative humidity and ambient air temperature. Panel Set Adhesive is formulated to sufficiently cure after two (2) hours under typical panel plant conditions of [21 °C (70 °F), 55% R.H.], to allow for rasping of the insulation board and application of the base coat.

With the rapid cure time, care should be taken to attach insulation board (EPS) before a skin forms on the Panel Set Adhesive.

Full setting will be achieved within 24 to 48 hours with a full cure in approximately 4-7 days.

Mechanical anchors can be employed to stabilize the insulation board if unfavorable air temperature and humidity conditions exists.

Bond Strength:

(ASTM C297) - Exterior Gypsum-20 psi.

Water Vapor Transmission:

(ASTM E96) – Does not create a water vapor barrier when installed according to application instructions.

Flexibility:

Will accommodate reasonable movement of wood-based sheathings due to expansion and contraction without reduction of bond.

Application Procedure:

Panel Set Adhesive can be applied directly to the EPS or to the substrate using a Big-U-Trowel (notched trowel) or equivalent. Proper application should result in coverage of approximately 18.6 – 27.9 m² (200 - 300 ft²) per 27 kg (60 lb.) pail. The EPS should be immediately pressed onto the substrate and slid into place. Care should be taken to apply firm pressure to the entire surface and ensure complete contact between insulation board and substrate. For proper bonding, there must be a minimum of 30% contact between the EPS and the substrate. It is recommended that every tenth board be removed and inspected to ensure the proper contact is achieved.

Temporary fasteners may be used, especially where less than ideal air temperatures or relative humidity exist to ensure adequate contact between the insulation board and substrate. Care should be taken to avoid damage to the insulation board when removing the fasteners.

STORAGE

Panel Set Adhesive should be stored at 7.2 °C (45 °F) or above in tightly sealed containers out of direct sunlight.

Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of Dryvit products as of the date of publication of this document and is presented in good faith. Dryvit assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit.

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