

AP ADHESIVE

DS454

One-Part, Urethane-Based Adhesive

Description

AP Adhesive is a one-part urethane-based adhesive that is compatible with all substrates recommended for a specified Dryvit EIF system. AP Adhesive provides a permanent overnight bond.

Uses

AP Adhesive is used as a component of Dryvit EIF systems to bond EPS to recommended substrates in accordance with published EIF system specifications and application instructions. It is also suitable for adhering EPS to metal surfaces in limited areas such as, steel lintels, metal flashing, etc. and for adhering drainage accessories in Dryvit moisture drainage systems. AP Adhesive is acceptable for use as a component of the Dryvit Fedderlite® Panel System.

Coverage

- Cartridge size: 29 oz (822 g)
- Color: Light Brown
- 3/16 in (4.8 mm) bead:
157 lineal feet (48 m)
- 1/4 in (6.4 mm) bead:
88 lineal feet (27 m)
- 3/8 in (9.5 mm) bead:
39 lineal feet (12 m)

Properties

Type: Urethane

Viscosity: 400,000 to 600,000 cps

Solids: 95% +/- 2%

Working or open time: Up to 1 hr.

Weight per Gallon: 10.5 lbs
(4.8 kg)

Flash Point: 250 °F (121 °C)

Freeze/Thaw Stability: Does not freeze.

Shrinkage: None

VOC Content: 0.375 pounds per gallon (45 grams per liter).

Compliances: Exceeds glued subfloor and construction codes AFG-01, FHA bulletin UM-60 and ASTM 3498.

Surface Preparation

To ensure positive adhesion, make sure the surfaces joined together are clean and free of dirt and foreign material.

Application

Cut the smallest opening possible in spout (just large enough so adhesive can flow easily when gunned). Because of AP Adhesive's unusual strength, much less adhesive is needed compared to traditional EIFS adhesives. It is intended to be applied in thin beads [approximately 3/8 in (9.5 mm)]. The beads are typically spaced 12 in (305 mm) on center.

When adhering to rough surfaces, use enough adhesive to fill gaps. AP Adhesive will bridge gaps up to 3/8 in (9.5 mm). Drying time may vary, depending on the humidity and the porosity of the materials bonded. Materials may be repositioned up to 1 hour without losing adhesive strength. Drying time may vary, depending on the porosity of the materials bonded and environmental conditions.

Clean Up - Clean all tools immediately after use with a dry cloth

Storage

AP Adhesive must be stored at a minimum of 40 °F (4 °C) and a maximum of 110 °F (43 °C).

AP Adhesive has a shelf life of 1 year.

Cautions and Limitations

- Avoid applying finish in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
- Use of large beads or dabs of adhesive will affect cure and may cause localized erosion of the EPS.
- When adhering EPS, AP Adhesive should only be applied when air and wall surface temperature is between 40 °F (4 °C) and 90 °F (32 °C).
- It is highly recommended that gloves be worn. AP Adhesive is difficult to remove from skin and clothing. If adhesive gets on skin, wipe it off immediately. If irritation occurs on skin, flush with water and follow with a thorough soap and water wash. In case of eye contact, flush with water and call a physician immediately. If swallowed, DO NOT induce vomiting. Call a physician immediately. **KEEP OUT OF REACH OF CHILDREN.** Contains nonvolatile polymeric diphenylmethane diisocyanate and high boiling hydrocarbons.

Technical and Field Services

Available on request.

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