

# EPS Adhesive for Stucco

DS465

## A factory blended mixture of dry polymers and Portland cement

### Description

Dry blend adhesive and leveling coat specifically formulated to adhere to EPS foam over stucco applications.

### Uses

EPS Adhesive is used to adhere architectural expanded polystyrene (EPS) foam shapes to cementitious substrates and to embed reinforcing mesh on architectural EPS foam shapes in **stucco applications only**.

EPS Adhesive can also be used as a leveling coat and base coat for cementitious or acrylic finishes in **stucco applications only**.

### Coverage

Approximately 70 ft<sup>2</sup> (6.5 m<sup>2</sup>) of surface area per 55 lb (25 kg) bag.

### Properties

**Working Time** - After mixing, the working time of EPS Adhesive is approximately 1 to 3 hours, depending on ambient conditions.

**Drying Time** - When used to bond EPS board or EPS shapes to an approved substrate, allow 24 hours to elapse before working on the surface. Drying time is dependent on the air temperature and relative humidity. Under average drying conditions [70 °F (13 °C) 55% RH] protect work from rain for at least 24 hours.

### Application Procedure

**Job Conditions** - Air and surface temperature for application of EPS Adhesive must be 40 °F (4 °C) or higher and must remain so for a minimum of 24 hours.

**Temporary Protection** - Shall be provided at all times until permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

**Substrate Preparation** - EPS Adhesive is applied to clean

unpainted stucco. The substrate must be flat within 1/4 in (6.4 mm) in any 4 ft (1.2 m) radius.

**Surface Preparation** - Surfaces must be above 40 °F (4 °C) unpainted, and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.

**Mixing** - One bag of EPS Adhesive for stucco will produce approximately five (5) gallons of mixture. To a clean 5 gal (19 L) pail, add 1 1/2 to 2 gals (5.7 to 7.6 L) of clean potable water. Add the EPS Adhesive slowly while constantly mixing with a Jiffler Mixer at 450-500 rpm. Thoroughly mix until uniformly wetted, adjusting consistency with a small amount of water or EPS Adhesive. Let set for 5 minutes. Retemper, adding a small amount of water if necessary. Material must be free of lumps before using.

EPS Adhesive can be mixed in a mortar mixer by adding 1 1/2 to 2 gals (5.7 to 7.6 L) of water for each 55 lb (25 kg) bag. Add the EPS Adhesive while the mixer is running. Let mix 3-5 minutes; shut mixer off for 5 minutes; run mixer for another 2-3 minutes to break set, and add a small amount of water if necessary. The pot life is 1-3 hours depending on weather. Small amounts of water can be added during this period to adjust workability.

**Application**- For application of EPS foam shapes using EPS Adhesive over stucco, level the substrate and rough lightly with a rubber float. Apply the EPS Adhesive to the back surface of the EPS foam shape using a notched trowel and immediately place into position on the wall.

**CAUTION:** Do not allow the surface of the EPS Adhesive to form a skin before positioning.

For use as a base coat on architectural EPS foam shapes for stucco work, apply the EPS Adhesive mixture to the entire surface of the EPS foam shape at 1/8 in (3.2 mm). Fully embed the reinforcing fabric in the wet material troweling from the center to the edge of the reinforcing fabric so as to avoid wrinkles. A second thin coat of EPS Adhesive mixture should then be applied to completely embed the reinforcing mesh. The reinforcing fabric shall be continuous at all corners and extended a minimum 2 1/2 in (64 mm) onto the stucco surface.

When used as a leveling coat on stucco applications, apply the EPS Adhesive mixture to a maximum thickness of 1/4 in (6.4 mm).

**Clean Up** - Clean tools with water while EPS Adhesive is still wet.

### Storage

EPS Adhesive bags must be protected from moisture and weather. The shall be stored off the ground in a cool dry location out of direct sunlight. If the EPS Adhesive is warm or hot, the pot life of the mixture will be reduced.

Shelf life is 6 months in unopened bags stored in a dry place.

### Cautions and Limitations

- Avoid applying EPS Adhesive in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
- Use EPS Adhesive for stucco work **only**.

### Technical and Field Services

Available on request.

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