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Product Bulletin

# Poly 1

## 100% Acrylic Admixture

### COLOR

Milk white

### PACKAGING

18.1 kg per 19-liter pail  
(40 lbs per 5-gallon pail)  
215 kg per 250-liter drum  
(473 lbs per 55-gallon drum)

### COVERAGE

Approximate coverage for Class PM base coat:

- 10 m<sup>2</sup> (110 ft<sup>2</sup>) per mixed batch at 6 mm (1/4") thickness
- 6.9 m<sup>2</sup> (73 ft<sup>2</sup>) per mixed batch at 9.5 mm (3/8") thickness

### DESCRIPTION

100% acrylic admixture for use with stucco or Portland cement plaster mixes.

### USES

POLY 1 is an acrylic polymer modifier designed to enhance the adhesion, workability, durability and the physical properties of unmodified stucco or Portland cement plaster mixes.

**Note: Not for use with cement plaster mixes that contain air entrainment agents.**

### SURFACE PREPARATION

1. All surfaces must be clean, dry, and free of dust, grease and contaminants.
2. New concrete, stucco, and masonry must be clean and cured a minimum of 28 days.

### MIXING

#### Field Mix Stucco

1. The normal ratio of POLY 1 to clean potable water is 1 part POLY 1 to 3 parts water (1:3). Where increased physical and chemical resistance is required, increase the POLY 1 content in the mixing liquid to a 1:2 or to a 1:1 POLY 1 to water ratio. Use the following as a guide:
  - a. As a scrub coat applied before patching or overlays, use straight POLY 1.
  - b. Heavy build or thick applications such as stucco, use 1:2 in mild climates and 1:1 in cold to freezing climates.
  - c. For cement plasters or repair mortars, 1:3 or 1:2 should suffice for added strength.
2. Always mechanically mix. Do not over mix or mix at a high speed.

#### Poly 1 base for Class PM System

1. Prepare in a container, which is clean and free of foreign substances. Do not use container which has contained or been cleaned with a petroleum-based product.

2. Mix one bag (42.64 kg / 94 lbs) Portland Cement, 68-90.7 kg (150-200 lbs) silica sand, and one package .45 kg (1 lb) FIBERFILL with 1 pail of POLY 1 18.1 kg (40 lbs). Mix for three to five minutes to a homogeneous consistency.
3. Clean, potable water may be added to adjust workability.

### APPLICATION

1. For stucco plasters, place the mix into the lath as normal and avoid over troweling. The trowel should be cleaned frequently, kept wet, and used with minimal pressure.
2. For Class PM Base Coats, please follow instructions in current BASF Wall Systems literature for Class PM EIFS.
3. Maximum time for placement of a mix should not exceed 20 minutes. Higher air and surface temperatures will decrease working and placement time.

### LIMITATIONS

1. Do not use POLY 1 with cement plaster mixes that contain air entrainment agents.
2. Protect materials during transportation and installation to avoid physical damage.
3. Store materials in a cool, dry place, protected from freezing. Store at no less than 4°C (40°F).
4. Protect from extreme heat and direct sunlight.
5. Do not apply materials in ambient temperatures below 4°C (40°F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 4°C (40°F) prevail.
6. Do not apply materials to frozen surfaces.
7. Shelf life is one year when unopened and stored as directed.

## HEALTH & SAFETY

Follow good safety and industrial hygiene practices during handling and installing products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheet (SDS) and related literature on this product before specification and/or installation.

**For medical emergencies only, call ChemTrec® 1-800-424-9300.**

## PROPOSITION 65

This product contains materials listed by the state of California as known to cause cancer, birth defects or other reproductive harm.

## VOC CONTENT

0 g/l, or 0 lbs/gal less water and exempt solvents.

**For medical emergencies only, call ChemTrec® 1-800-424-9300.**

## WARRANTY

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