

PRM

Polymer Reinforced Mortar



Description

PRM is a powdered polymer reinforced adhesive and underlayment for use with acrylic finish coatings. PRM provides a strong bonding surface on several different types of foam as well as concrete substrates.

Color

Light Gray (Cement color)

Container

60-pounds net weight / 6-gallon pail

Use

PRM is used as a base coat, leveling and reinforcement for the Waterway Drainable Stucco assembly, EIFS and direct-applied systems, as well as an adhesive for some foam system applications.

Adhesion

Good adhesion to concrete, cement board substrates, block, brick, expanded polystyrene and polyisocyanurate foams.

Physical Properties

Surface Burning – ASTM E-84

< 25 Flame Spread	= 0 Result
<450 Smoke Development	= 0 Result

Adhesion – ASTM C-297

Fiber Faced Gypsum	= > 25*
EPS	= > 15*
Concrete Block	= > 65*

* = Cohesive Substrate Failure

Working Time

Sets in 1-4 hours after being mixed with water.

Coverage

Approximately 125 square feet per container for flat substrates.

Mixing

PRM should be mixed with approximately 2 gallons of clean, cold water. Product should be allowed to sit for 10 minutes, then remixed to be ready for use. Avoid retempering after mixing the PRM.

Drying Time

Typical dry time is 24 hours, depending on climate. Drying time can be greatly affected by low temperatures and/or high humidity. Do not allow product to freeze or allow exposure to rain while drying. Allow additional time to dry during humid and/or cold temperatures.

Storage

Protect dry material from water and high humidity conditions.

Clean-up

Water soluble when wet. Clean tools and equipment with water immediately after use. Dried material is very difficult to remove.

Shelf Life

Two years or more if stored away from humidity and extreme temperatures. Use as soon as possible and protect from moisture.

Limitations

1. Ambient and surface temperatures must be above 40°F during application and drying period.
2. PRM should never be used on horizontal surfaces (exceptions – ceilings, soffits, etc.).
3. Product performance is directly related to substrate integrity.
4. PRM is a vertical wall coating. Small areas can be sloped; those surfaces shall be minimum 4 in 12 pitch.
5. Never cover PRM with solvent based materials.

Surface Preparation

Substrate must be clean, dry, above freezing and free from all loose or foreign materials prior to application including rust, mildew, dust, dirt, form breaker and oils. Remove all loose surface materials using high pressure wash (>3000 psi), sandblast or mechanical wire brush.

Gypsum sheathings shall comply with ASTM C-79 or C-1177. Substrate shall be installed following manufacturer's instructions and be free of damage. Replace all weather damaged materials before proceeding.

Application

PRM is usually applied with stainless steel masonry trowels at a nominal 1/16 -1/8 inch. It can also be spray applied with proper equipment onto the substrate, then troweled to smooth out the surface. Over approved foam substrates and the Waterway Drainable Stucco Assembly, PRM should be used in conjunction with fiberglass reinforcing mesh.

Adhesive Applications – Apply to the backside of approved insulation board with a 3/8 inch notched trowel. Apply ribbons over the entire surface running parallel to the short dimension of the insulation. Immediately adhere insulation to properly prepared substrate using firm pressure across the entire surface making positive contact. Place the board on the substrate about 2-3 inches from desired finished location and slide into place to ensure positive contact. Stagger all seams and joints, avoid gaps in foam surface.

Base Coat Applications – Apply with stainless steel masonry trowels at a nominal 1/8 inch. PRM can also be spray applied with proper equipment, then troweled to smooth out the surface. Immediately embed Fiberglass Reinforcing Mesh into wet base coat, troweling from the center to the edges. Overlap mesh 2 inches on all ends and edges. Avoid wrinkles and smooth out wet base coat to a minimum 1/16 inch thickness over mesh such that no mesh pattern is visible. Apply an additional layer of base coat if needed to achieve minimum thickness and provide a smooth surface prior to finish coat applications.

Light sanding of the PRM is acceptable to achieve a level substrate for the finish coat; usually this is best performed the day after initial application.

Skim Coat Applications - Apply mixed PRM in an adequate thickness to smooth and flush out imperfections in the substrate below. Allow to dry completely (24 hours minimum) prior to Stuc-O-Flex Finish Coat application.

Manufacturer

Stuc-O-Flex International, Inc.
17639 NE 67th Court
Redmond, WA 98052
1-800-305-1045
1-425-885-5085
1-425-869-0107 Fax
info@stucoflex.com (e-mail)
www.stucoflex.com (web page)