



ACRYLIC MODIFIER FOR CEMENT

Concrete Bonding Agent and Strengthener

1. Product Description

a. Basic Use: Acrylic Modifier for Cement is a specially designed liquid polymer that increases the adhesion and strength of Portland cement mortar mixes. It will cause them to hold tenaciously to old concrete, brick, and other substrates. At the same time the flexural, impact, and compressive strengths are more than doubled. Also, properly modified cement is made self-curing and eliminates the need of adding curing agents to the mix.

b. Features & Benefits:

- Self-curing formulation which translates to reduced costs for end user.
- Tremendous adherence to a variety of substrates.
- Provides greater flexural strength.
- Increases impact resistance.
- Increases resistance to abrasion.
- Concrete that has been modified is longer lasting than unmodified concrete.

c. Typical Application: Acrylic Modifier for Cement is intended for new construction as well as renovation and repairs, interior or exterior. Use this product wherever an improved bond and a hard durable mix is required. Acrylic Modifier for Cement is great for floors that are subject to abuse such as high impact or abrasion. Outdoors, cements containing Acrylic Modifier for Cement have the tensile strength and adhesion to give improved durability against the effects of freeze-thaw lifting. Use Acrylic Modifier for Cement on bridge decks, highway repairs, piers and bridge abutments. One part Acrylic Modifier for Cement can be substituted for one part of water in Sealwall Concentrated Cement Paint or Sealwall Black Foundation Coating.

d. Clean Up: Clean tools and equipment at once as the improved adhesion of the mortar will cause it to hold fast to them.

2. Packaging

Acrylic Modifier for Cement is packaged in a 1-gallon jug, 4/1-gallon case, 5-gallon pail, and a 55-gallon drum.

3. Technical Information

- Tensile Strength: 645 psi
- Compressive Strength: 5,450 psi
- Flexural Strength: 1,355 psi
- Shear Bond Strength: 450 psi
- Impact Strength: 12 inch/lbs.
- Abrasion Resistance (% Weight Loss): 1.7%

4. Directions for Use

a. Surface Preparation: Prepare the surface for bonding by removing all loose material. If necessary, chip out the area to remove all foreign material, oil, grease, etc. Be sure that no dust remains as it will interfere with a good bond. Dampen the surface to be patched.

b. Mixing: Mix dry ingredients first, then add Acrylic Modifier for Cement and blend to the usual consistency. For best results, do not dilute the Modifier. In ready mix or pea gravel mixes, it can be diluted one part to three parts water. Do not use air entraining cement or agents. Keep mortar and concrete as stiff as possible for their intended use. Avoid over-mixing as it will entrap air and lower the density of the cured mortar.

c. Placing: Place the mortar quickly into the area to be repaired. The working life of Acrylic Modifier for Cement is 30 minutes at 70°F (20°C). The best temperature range for working

with the material is 50°F (10°C) to 80°F (26°C). For repairs in excess of ¾" depth, scrub a bond coat of Acrylic Modifier for Cement mix on the dampened surface and immediately finish with a regular cement mix or pea gravel mix containing a 1:3 mix of Acrylic Modifier and water.

d. Curing: Acrylic Modified mortars are self-curing. That is to say they are an air curing system and do not require the addition of membrane curing compounds. If, however, there are prevailing hot and dry winds, direct sunlight, or high temperatures, cover exterior work with wet burlap to prevent rapid evaporation of water and surface cracking. Maintain this protection for 24 hours.

5. Availability

Acrylic Modifier for Cement is normally available immediately from your local distributor or it will be shipped within 4 working days upon receipt of order. Please contact your local Sealwall representative or call Sealwall Products directly for more information.

6. Warranty

Acrylic Modifier for Cement is manufactured in strict accordance with the quality control standards of Sealwall Products. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.