PRO-CRYLIC

Acrylic Polymer Admixture for Concrete and Plaster

SKU# **PROL-002-1**
PROL-002-5

Usage: Use PRO-CRYLIC as an admixture and substitute for a portion of the water content in mortar, plaster or concrete to improve most all the physical properties of these Portland cement mixes. Modified mixes will also resist cracking and chemical degradation due to chloride exposure. PRO-CRYLIC may be used as an admixture in concrete, Portland cement, plaster, stucco, mortar, terrazzo, thinset and tile grout. PRO-CRYLIC can also be used as a bonding adhesive. When used in a slurry/scrub coat mortar, PRO-CRYLIC produces an outstanding bond between new and existing concrete. Mixes prepared with PRO-CRYLIC may be used for patching, restoring and rehabilitating concrete and masonry, such as concrete floors, columns and beams, sidewalks, corridors, lanais, driveways, curbs and steps, loading docks and ramps, precast concrete and pipe. Suitable for both interior and exterior use, PRO-CRYLIC may also be used as an admixture for overlayments and specialty resurfacing mortars.

Packaging: 1 gallon jugs, 5 gallon pails and 55 gallon drums

Preparatory Work: All surfaces must be dry, structurally sound and not subject to extreme temperatures (below 40°F or above 100°F) during installation. Surfaces must be free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues, gypsum based underlayments and any other foreign matter.
Concrete and Masonry Work Surfaces: Remove all deteriorated concrete and mortar particles and other matter detrimental to proper adhesion. Mechanically scarify work surfaces to obtain an aggregate fractured surface condition with minimum profile of ± 1/16 inch. Wash debris from work surfaces with plenty of clean water. Prepared work surface should be in saturated surface dry condition with no standing water.

Mix: For use as an admixture, mix or stir the material immediately before use to a uniform consistency and substitute a portion of mix water with PRO-CRYLIC as follows:
•For improving adhesion of cementitious patching materials and waterproof coatings,
use 1 part PRO-CRYLIC to 2-3 parts by equal volume clean water
•For overlayments, toppings, and most plaster, mortar and stucco applications
suggested Mortar Mix Design (15% Polymer Solids):

Sand	3 - 3.25 cubic feet
Portland Cement	1 sack (94 lbs.)
PRO-CRYLIC	6.5 gallons
Water	As required

Mechanical Mixing: Add PRO-CRYLIC to rotating mixer and then add sand and cement in the required amounts. Mix slowly to prevent beating air bubbles into the mix. Add water, if required, to obtain proper consistency and slump. Do not mix more than 5 minutes. Discharge batches from the mixer as rapidly as possible. Rinse mixer before mortar adheres to equipment.
Hand Mixing: Pre-blend the sand and cement in a mortar box. Add PRO-CRYLIC and mix thoroughly. Add water, if required, only after the PRO-CRYLIC is completely mixed throughout the mortar.

Application: To properly prepared work surfaces, scrub mortar modified with PRO-CRYLIC into the substrate using stiff bristle brush or broom. Place additional mortar over scrub coat, strike off, trowel and finish at once. Over-finishing and troweling should be avoided. Areas subjected to high temperature and wind require extra care to minimize rapid drying and moisture loss.

BONDED
BONDED MATERIALS COMPANY
A STANDARD OF EXCELLENCE SINCE 1955
4330 N. 43rd. Avenue
Suite B-4
Phoenix, AZ 85031
623-873-0001 · 877-726-6333
www.bondedmaterials.com

Limitations: The minimum recommended application temperature is 45°F; temperature must remain at or above 45°F for at least 48 hours. High humidity and excessive moisture will retard curing time. Do not use in enclosed areas where air circulation is limited. Do not immerse continuously in water until after at least 3 - 4 days air cure time. Prolonged freezing may damage contents. Material may be used after freezing if it is allowed to thaw at room temperature and can be stirred to an even, smooth consistency.

Curing: Wet cure with water or wet burlap for the first 24 hours and then air cure for 3 days. Resurfaced areas may be opened to foot traffic after 24 hours, light traffic in 2 - 4 days and heavy traffic in 3 - 5 days.

Cleaning: Mortars modified with PRO-CRYLIC will adhere to most materials. Care should be taken to wash wet mortar off all tools and mixingf equipment before it sets.

Coverage: When mixed in ratios suggested, mix will yield 3 - 3.25 cubic feet of mortar which will cover approximately 80 square feet at an average thickness of 1/2 inch.

Storage: One year if kept in sealed containers.

Safety: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH aproved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into the eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water.
KEEP OUT OF REACH OF CHILDREN.

PRO-CRYLIC Specifications

Specification	PRO-CRYLIC Values
Appearance	White, milky liquid
Solids Content	25% ± 1%
Specific Gravity	1.026
Pounds per Gallon	8.55
Bond Strength (ASTM C 1042)	> 700 psi @ 14 days moist cure Portland cement and Pro-Crylic scrub coat used as glue line.

Guarantee

The statements, recommendations and technical information provided are furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.

Bonded Materials Company makes no warranty for a particular purpose with respect to product sold herein, except quality of components shall be in accordance with Bonded Materials Company's standards. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be replacement of defective products. Handling and actual use of product are beyond the control of Bonded Materials Company, therefore, no warranty is made, expressed or implied, as to the results obtained from use of the product or against any claims for infringement of patents resulting from the use of the product.

Bonded Materials Company is a member in good standing with the following organizations:
National Tile Contractors Association (NTCA), Marble Institute of America (MIA), Ceramic Tile and Stone Association of Arizona (CTSAA), Materials and Methods Standards Association (MMSA), Construction Specifications Institute (CSI) and American Institute of Architects (AIA) Accredited for Continuing Education

BONDED
BONDED MATERIALS COMPANY
A STANDARD OF EXCELLENCE SINCE 1955
4330 N. 43rd Avenue
Suite B-4
Phoenix, AZ 85031
623-873-0001 · 877-726-6333
www.bondedmaterials.com