



CEMENT & CONCRETE PRODUCTS™

CONCRETE ACRYLIC FORTIFIER

PRODUCT NO. 8610

DIVISION 3

Common Work Results
for Concrete 03 05 00

PRODUCT DESCRIPTION

QUIKRETE® Concrete Acrylic Fortifier is a highly water resistant acrylic resin formulation designed as a bonding agent admixture for thin Portland cement coatings.

PRODUCT USE

QUIKRETE® Concrete Acrylic Fortifier densifies surfaces and makes them more resistant to many chemicals and mild acids, as well as to the penetration of water or aqueous solutions.

APPLICATIONS WITH REPAIR PRODUCTS

For making thin repairs to concrete, use with QUIKRETE® Sand (Topping) Mix, Quick-Setting Cement and other repair materials. Mix QUIKRETE® Concrete Acrylic Fortifier directly into the repair material as part of the liquid addition.

APPLICATIONS WITH WALL PRODUCTS

Use with QUIKWALL® Surface Bonding Cement or Heavy Duty Masonry Coating in new construction or rehabilitation to achieve improved bond strength and to increase water resistance. QUIKWALL® Surface Bonding Cement with Concrete Acrylic Fortifier is a good choice for rehabilitation of damaged concrete and masonry walls. Use Concrete Acrylic Fortifier with QUIKRETE® Finish Coat Stucco to provide increased bond strength and curing properties, reduced shrinkage cracking and to prevent separation between basecoats and finish coats.

APPLICATIONS WITH TILE PRODUCTS

A 50:50 mixture of QUIKRETE® Concrete Acrylic Fortifier and water is used with tile setting and grouting products to improve bond and water resistance.

SIZES

• QUIKRETE® Concrete Acrylic Fortifier is available in 1 qt (0.95 L) plastic bottles and 1 gal (3.8 L) plastic jugs

TECHNICAL DATA

APPLICABLE STANDARDS

ASTM International
• ASTM C1438 Standard Specification for Latex and Powder Polymer Modifiers in Hydraulic Cement Concrete and Mortar

When added to the appropriate cementitious system, QUIKRETE® Concrete Acrylic Fortifier will provide the following benefits compared to the unmodified system:



- Exceeds the requirements of ASTM C1438
- Excellent toughness and good adhesion to clean stucco, concrete or masonry surfaces
- Reduced permeability to provide resistance to the penetration of salt water and other aggressive chemicals
- Reduced drying shrinkage which reduces the tendency for cracking and crazing in thin repairs
- Eliminates the need for moist curing under most circumstances
- Excellent water resistance to decrease spalling, cracking and surface degradation caused by repeated freeze/thaw cycles
- Suitable for use with trowel applied repair mortars and stuccos as well as sprayable systems such as QUIKWALL® Surface Bonding Cement
- One coat of QUIKWALL® Surface Bonding Cement or 2 coats of QUIKRETE® Heavy Duty Masonry Coating with Concrete Acrylic Fortifier added will meet most building code requirements for damp-proofing concrete and masonry foundations.

INSTALLATION

SURFACE PREPARATION

- It is absolutely necessary that all substrates be completely clean and free from dust, dirt, oil, wax and grease
- Previously painted surfaces must be stripped to ensure that all remaining paint is removed

MIXING

- Shake well before using
- Use the recommended amount of Concrete Acrylic Fortifier along with sufficient water to provide proper consistency
- For QUIKRETE® Sand Mix, or Finish Coat Stucco, use 0.5 gal (1.9 L) of Concrete Acrylic Fortifier per 80 lb (36.3 kg) bag or 3 pints (1.4 L) per 60 lb (27.2 kg) bag
- For QUIKRETE® Quick-Setting Cement and QUIKWALL® Surface Bonding Cement, add 0.5 gal (1.9 L) of Concrete Acrylic Fortifier per 50 lb (22.7 kg) bag

- For QUIKRETE® Heavy Duty Masonry Coating, use 0.5 gal (1.9 L) of Concrete Acrylic Fortifier per 40 lb (18.2 kg) bag

APPLICATION

Apply in accordance with instructions for product being modified.

CURING

Under normal conditions, do not moist cure since air is essential in the curing of Concrete Acrylic Fortifier mixes; however, under extreme conditions of wind and heat, moist curing may be required for the first 24 hours.

PRECAUTIONS

- QUIKRETE® Concrete Acrylic Fortifier is not to be used with polymer modified products
- Do not use with products containing air entrainment such as mortar mixes made from masonry cement
- Do not use in combination with Concrete Bonding Adhesive (#9902)
- Store in a cool, dry place and protect product from freezing
- Do not place finishes or patches at temperatures below 50 degrees F (10 degrees C), or when temperatures are expected to fall below 40 degrees F (4 degrees C) within 24 hours

Note - It is extremely important that mixing proportions and directions are followed explicitly. Any deviations from mixing proportions that result in lesser quantities of Concrete Acrylic Fortifier could cause inadequate adhesion and performance.

WARRANTY

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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** Refer to www.quikrete.com for the most current technical data, SDS, and guide specifications*

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