



CEMENT & CONCRETE PRODUCTS™

PREMIUM CONCRETE BONDING ADHESIVE

PRODUCT NO. 9902-14, -01, -05

DIVISION 3
03 05 00 Common Work Results
for Concrete

PRODUCT DESCRIPTION

QUIKRETE® Premium Concrete Bonding Adhesive is an exterior/interior grade synthetic emulsion formulated to permanently bond new concrete, plaster, and stucco to existing concrete, plaster, and stucco or can be used as a primer for QUIKRETE® self-leveling floor resurfacers.

PRODUCT USE

QUIKRETE® Premium Concrete Bonding Adhesive is suitable for interior or exterior use and can be used in paint-on and slurry coat applications and as a primer for QUIKRETE® self-leveling floor resurfacers. This synthetic emulsion adheres new concrete, cementitious toppings, gypsum plasters, portland cement based stuccos, or cementitious based repair materials to floors, walls, sidewalks, silos, concrete pipes, concrete pavements, concrete masonry units, curbs, and steps. It provides a strong chemical bond, reducing the need for chipping, drilling, or roughening the existing surface before applications. QUIKRETE® Premium Concrete Bonding Adhesive is a non-redispersible latex bonding agent which meets or exceeds the physical property requirements for an ASTM C1059 Type I and Type II material.

SIZES

QUIKRETE® Premium Concrete Bonding Adhesive is available in:

- 1 qt (0.94 L) bottles
- 1 gal (3.7 L) jugs
- 5 gal (18.9 L) buckets

YIELD

- As a paint-on adhesive: approximately 35 to 75 ft²/qt (140 to 300 ft²/gal) (3.4 to 7.3 m²/L)
- As a slurry coat: approximately 19 ft²/qt (76 ft²/gal) (1.86 m²/L)
- As a primer: 150 to 300 ft²/qt (600 to 1200 ft²/gal) (14.7 to 29.4 m²/L)

TECHNICAL DATA

APPLICABLE STANDARDS

- ASTM C1042 Standard Test Method for Bond Strength of Latex Systems Used with Concrete by Slant Shear
- ASTM C1059 Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete

PHYSICAL/CHEMICAL

Typical results obtained for QUIKRETE® Premium Concrete Bonding Adhesive, when tested in accordance with the referenced ASTM test methods, are shown in Table 1.



TABLE 1 TYPICAL PHYSICAL PROPERTIES

| Slant Shear Strengths, ASTM C1042 | |
|-----------------------------------|--------------|
| Adhesive Type | PSI (MPa) |
| Type I | ≥ 400 (2.8) |
| Type II | ≥ 1250 (8.6) |

INSTALLATION

SURFACE PREPARATION

Remove dust, dirt, oil, grease, wax, paint, other foreign material and any unsound concrete, plaster, or stucco. Make sure the substrate concrete, plaster, or stucco is in sound condition. QUIKRETE® Premium Concrete Bonding Adhesive can be applied to dry or damp surfaces.

APPLICATIONS

Use as a Paint-On Adhesive

Apply to surface with a brush, roller, or paint-sprayer to the thickness of a coat of paint. Place new concrete, cementitious topping, portland cement based stucco, or cementitious based repair material as soon as the QUIKRETE® Premium Concrete Bonding Adhesive has dried. A drying time of 2 to 3 hours is typical. Gypsum plasters should be applied while the adhesive is still tacky. Tools, brushes, and other application accessories should be immediately cleaned with warm soapy water. Clean any drips with hot water.

Use as a Slurry Coat

Make a slurry coat by blending approximately 2 parts portland cement and 1 part QUIKRETE® Premium Concrete Bonding Adhesive until a lump free consistency is achieved. Apply a thin layer of slurry onto the properly prepared substrate using a trowel, brush, or squeegee, being sure to rub the slurry thoroughly into the surface. Apply the topping or repair material before the slurry dries.

Use as a Primer for Self-Leveling Floor Resurfacers

Dilute 1 part QUIKRETE® Premium Concrete Bonding Adhesive with 2 parts potable water. Stir well before using. Apply with a broom, roller, or garden sprayer to saturate the surface. Clean tools and equipment immediately with warm soapy water. Low porosity concrete in good

condition typically only requires 1 coat, while higher porosity concrete requires 2 coats. Allow QUIKRETE® Premium Concrete Bonding Adhesive to become dry to the touch. If there is no visible sheen to the concrete, apply a second coat and allow to dry. A drying time of 1 to 2 hours is typical. Floor resurfacers may be applied up to 24 hours after QUIKRETE® Premium Concrete Bonding Adhesive has been applied if the coated area is kept clean and dry.

PRECAUTIONS

- Protect QUIKRETE® Premium Concrete Bonding Adhesive from freezing.
- Do not apply at temperatures below 50 °F (10 °C).
- Do not use over previously painted surfaces.
- Do not store in areas over 100 °F (38 °C).
- Do not use in conjunction with QUIKRETE® Concrete Acrylic Fortifier (No. 8610).

SAFETY

IMPORTANT: Read Safety Data Sheet carefully before using. **WEAR IMPERVIOUS GLOVES**, such as nitrile, mask, and eye protection.

WARNING: MAY IRRITATE SKIN AND EYES. May be harmful if swallowed. Do not breath in vapors.

KEEP OUT OF REACH OF CHILDREN

WARRANTY

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured by or under the authority of The Quikrete Companies, LLC. © 2022 Quikrete International, Inc.