

Acrylic Latex Admixture and Bonding Agent

PRODUCT DESCRIPTION

CURECRYLIC® ULTRA 940 is an acrylic polymer emulsion specifically formulated for use as an additive to Portland cement-based construction repair grouts and coatings. CURECRYLIC ULTRA 940 significantly improves bond and compressive strength and provides higher resistance to thermal shock. Because of its acrylic base, CURECRYLIC Ultra 940 enhances the appearance of the grout and cement coatings because it reduces fading caused by ultraviolet rays.

► BASIC USE

To improve adhesion and physical characteristics for both interior and exterior applications, CURECRYLIC ULTRA 940 should be used as a bonding agent admixture for plaster coats, masonry mortar, construction grouts or coatings prior to applications to dense masonry or concrete substrates.

CURECRYLIC ULTRA 940, when used as an admixture, will prevent early dry out for the repairing or coating of porous masonry or concrete. This retains the necessary water for proper hydration of the Portland cement.

► LIMITATIONS

Mechanical mixers must be 300 RPM or lower to avoid entrapping air which substantially weakens the mortar. Do not apply CURECRYLIC ULTRA 940 modified mortars at temperatures below 45°F (7.2°C) or when temperatures are forecasted to fall below 45°F (7.2°C) within 72 hours. Do not use with air entrapped cement. Do not subject mortars modified with CURECRYLIC ULTRA 940 to standing water conditions for at least 7 - 14 days after application. Protect from freezing during storage. Prolonged freezing may damage CURECRYLIC ULTRA 940.

► PACKAGING

1 gal. (3.8 L) pails, 5 gallon (18.9 L) pails.

INSTALLATION

► PREPARATORY WORK

All concrete or masonry surfaces shall be free of loose concrete, dirt, oils, curing compounds, form releases and any other anti-adherent. Clean by mechanical sanding, scraping or chipping. All dust must be removed prior to application. Smooth, steel troweled concrete surfaces must be roughened to ensure a good bond.

► APPLICATIONS

Bonding Agent—First, dry mix a 3 to 1 sand to cement mortar (or use any C-Cure construction grout or coating). Then add equal volumes of this mortar and undiluted CURECRYLIC ULTRA 940 to make a bonding slurry. Next, broom or brush this slurry over the area to be patched or grouted. Apply the topping of mortar or grout before this slurry is dry, approximately 20 minutes after application.

Admixtures—Dilute CURECRYLIC ULTRA 940 at the ratio of three parts water to one part CURECRYLIC Ultra 940 when added to cement coatings, pointing mortars and cement plasters. When used with 3 to 1 sand to cement, leveling mixes and concrete mixes, dilute one part CURECRYLIC Ultra 940 with two parts of water.

Always add the powder to the prediluted CURECRYLIC ULTRA 940/water mix. Mix using a slow speed mechanical mixer or by hand. Trowel mix into place using light pressure. Do not over-trowel.

► CURING

Under normal conditions, damp curing when CURECRYLIC ULTRA 940 is used as an admix is not necessary. However, when hot, dry or windy conditions exist, cover with 40# natural kraft paper or wet burlap for the first 24 - 48 hours. For heavy traffic areas, a 48 hour period is recommended.

► CLEANING

Water is all that is needed to remove uncured CURECRYLIC ULTRA 940.

► COVERAGE

When used as a bonding agent, 250 - 300 sq. ft. (23 - 28 m²) per gallon (3.8 L) on smooth surfaces.

CURECRYLIC ULTRA 940 TECHNICAL DATA

TEST	TYPICAL VALUES
A. Tensile Strength ASTM C-190	>600 psi (42 kg/cm ²)
B. Compressive Strength ASTM C-109	>4500 psi (316 kg/cm ²)
C. Flexural Strength ASTM C-348	>1000 psi (70 kg/cm ²)
D. Shear Bond ASTM D-3931	>1000 psi (70 kg/cm ²)
E. Safety—CAUTION: Avoid inhalation of vapors, use in well ventilated areas. Avoid contact with eyes or skin. In case of contact with eyes, flush with water and call physician immediately; for skin contact, wash with warm soapy water. If material is swallowed, call physician immediately.	
KEEP OUT OF REACH OF CHILDREN	
F. Storage Life—One year if kept dry in sealed containers, stored in a dry area. Protect from freezing during storage.	

GUARANTEE

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C-CURE

Seal Beach, CA 90740

800-895-2874

www.c-cure.com