

BONDING AGENTS AND ADHESIVES

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EUCLID CHEMICAL

EUCOWELD 2.0

LATEX BONDING AGENT FOR CONCRETE REPAIRS AND TOPPINGS

PACKAGING

1 gal (3.8 L) jug (6 per case)
Code: L6202 95

5 gal (18.9 L) pail
Code: L6202 05

APPROXIMATE COVERAGE

150 to 250 ft²/gal (3.68 to 6.14 m²/L)

CLEAN UP

Clean tools and equipment with soap and water immediately following use. Clean drips and over-spray with water while still wet. Dried EUCOWELD 2.0 may require mechanical abrasion for removal.

SHELF LIFE

2 year in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- ASTM C1059, Type II
- Canadian MTQ

DESCRIPTION

EUCOWELD 2.0 is a liquid latex bonding agent for cement-based repair mortars and concrete. EUCOWELD 2.0 has a long open time, and repair materials can be placed either after it has dried, or while it is still wet. This bonding agent represents a new generation of easy-to-use latex, which exhibits drastically improved performance and stability in comparison to the typical re-wettable ethylene vinyl acetate (EVA) bonding agents currently available. EUCOWELD 2.0 is a unique, non-EVA based latex that utilizes reactive chemistry for bonding, rather than depending on the moisture content of the repair material.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Excellent bond strengths
- Repair materials can be applied wet-on-wet, or after it has dried
- Easy to use - applied to surface straight from container
- Long open time

PRIMARY APPLICATIONS

- Repairing concrete with cement-based mortars
- Concrete overlays and toppings
- Interior or exterior use
- Repairs that will be frequently wet or submerged after curing

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Test Method	Test Property	Value
-	Tack Free Time	2 to 3 hours
ASTM C1583	Direct Tension Bond Strength	24 hours: 340 psi (2.3 MPa) 7 days: 370 psi (2.6 MPa)
ASTM C882	Slant Shear Bond Strength	14 days, dry conditioned: 2,730 psi (18.8 MPa) 14 days, wet conditioned: 2,760 psi (19.0 MPa)

Physical Property	Value
Unit Weight, Specific Gravity	8.4 lbs/gal, 1.01
VOC Content	< 5 g/L
Viscosity	100 cp

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DIRECTIONS FOR USE

Surface Preparation: Concrete surface must be clean, dry and structurally sound. The substrate must also be free of all curing compounds, form release agents and any other contaminants, which may prevent the proper adhesion of EUCOWELD 2.0. When using EUCOWELD 2.0 to bond Euclid Chemical cementitious repair mortars, please refer to the technical data sheet for the repair mortar to find the concrete surface profile (CSP) requirements. After surface preparation is complete, rinse thoroughly with potable water. Allow the concrete to dry before applying EUCOWELD 2.0.

Application: Stir EUCOWELD 2.0 thoroughly before use. Do not dilute. For hand application, dampen brushes or rollers before use and shake out excess water. For larger areas or faster applications, use airless spray equipment or an industrial pump-up sprayer with a fan tip nozzle. Hold spray nozzle 12 inches to 18 inches (30 cm to 46 cm) from the surface and apply EUCOWELD 2.0 using a cross coat technique consisting of a horizontal pass followed by a vertical pass. Extremely porous surfaces may require two coats of EUCOWELD 2.0.

EUCOWELD 2.0 may be allowed to dry before placing repair mortars, concrete, or toppings, or the repair materials may be placed in a "wet on wet" fashion, immediately after application of EUCOWELD 2.0. EUCOWELD 2.0 will dry in approximately two to three hours depending on the temperature and humidity. If more than 7 days pass between EUCOWELD 2.0 application and placement of the concrete, topping, or mortar, the surface must be abraded to remove existing product, and EUCOWELD 2.0 must be re-applied. During the product's open time, regardless of length of time, the surface must be protected from dust, dirt, foot traffic, and any other sources of contamination or abrasion prior to application of the concrete, topping, or mortar. Any dust, dirt, or other contaminants will severely affect bond strength of the concrete, topping, or mortar.

PRECAUTIONS/LIMITATIONS

- These instructions do not dictate mechanical surface preparation required prior to ready-mix concrete toppings. This product is not intended to excuse or replace proper mechanical surface preparation. Please refer to ACI 302 Section 4.3.2 and Table 4.1, along with the project engineer for guidance on proper surface preparation for ready-mix concrete toppings.
- Do not dilute EUCOWELD 2.0.
- Keep from freezing.
- Do not apply to frozen or frost filled surfaces.
- Do not apply if rain is expected within 4 hours. If rained on, inspect to ensure the surface is free of contaminants. If contaminated, lightly clean and reapply EUCOWELD 2.0.
- Surface and ambient temperature during application must be 40 °F (4 °C) and rising.
- Store at temperatures between 40 °F to 90 °F (4 °C to 32 °C).
- In all cases, consult the Safety Data Sheet before use.

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