



NEW LATEX BONDING AGENT FOR CONCRETE REPAIRS AND TOPPING

EUCOWELD 2.0

EUCLID CHEMICAL



PRIMARY APPLICATIONS

- Repairing concrete with cement-based mortars
 - Horizontal repairs
 - Vertical repairs
 - Well-suited for form & pour repairs – long open time
- Overlays and toppings with ready-mix concrete
- Can be used for interior or exterior repairs – is not re-wettable like EVA-based products

FEATURES AND BENEFITS

- Excellent bond strengths – far superior to those seen with EVA-based products
- Easy to use – applied to substrates straight from the container, with no dilution or mixing
- Can be used “wet on wet” – install repair materials immediately after application
- May also be allowed to dry – apply up to 7 days prior to repair material installation
- EUCOWELD 2.0 latex technology is not moisture sensitive after application like EVA-based products
- Very low VOC content – can be used anywhere in North America

WHAT IS EUCOWELD 2.0?

EUCOWELD 2.0 is a brand new liquid latex bonding agent for use with cement-based repair mortars and concrete. 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 commonly found in the marketplace. **EUCOWELD 2.0** is a unique, non-EVA based latex that utilizes reactive chemistry for bonding, rather than depending on the moisture content of repair materials. Feel confident in your concrete repair bond lines with the help of **EUCOWELD 2.0** and the benefits it provides.

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

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

Engineering Property	Value
Tack Free Time	2 to 3 hours
Direct Tension Bond Strength, ASTM C1583	24 hours: 340 psi (2.3 MPa) 7 days: 370 psi (2.6 MPa)
Sland Shear Bond Strength, ASTM C882	14 days, dry conditioned: 2.730 psi (18.8 MPa) 14 days, wet conditioned: 2.760 psi (19.0 MPa)

ASTM C1059 - THE BASICS

ASTM C1059 is the Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete. This document sets forth testing requirements to categorize latex bonding agents as either Type I or Type II.

- A Type I latex is “rewettable” – meaning that it will soften and tack up repeatedly when it is exposed to moisture. This can make them less suitable for some repairs where there is a constant exposure to moisture, which can lead to bond line issues and poor bond strengths for your concrete repair. EVA and PVA-based latex products fall into this category.
- A Type II latex, like **EUCOWELD 2.0**, is “non-rewettable” – it will not soften when it is exposed to moisture. This makes **EUCOWELD 2.0** useful in almost every concrete repair scenario, as the bond line will maintain integrity in both interior and exterior repairs. Also, unlike many other Type II latex products, **EUCOWELD 2.0** may be applied to your substrate straight from the container, and doesn’t have to be mixed with cement and sand to create a “slurry” coat.



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COMPLIMENTARY PRODUCTS

EUCOWELD 2.0 is a perfect, easy-to-use bonding agent that is compatible and recommended for use with all of Euclid Chemical's proven cementitious repair products:

- **VERSASPEED 100 and VERSASPEED LS100**

Single-component, rapid hardening, low shrinkage, microfiber reinforced repair mortars for projects that require traffic or a non-breathable coating within hours. Repairs made with these products can be opened to standard tire traffic 2 to 4 hours following final set, and an epoxy coating can be applied after 4 to 5 hours.

- **EUCOREPAIR SCC and EUCOREPAIR SCC FAST**

One-component, self-consolidating repair mortars that are shrinkage compensated, pozzolan and microfiber modified, and contain an integral corrosion inhibitor. Available in standard setting (SCC) and fast setting (SCC FAST) options, to fit the needs of any project. Designed for horizontal and formed vertical and overhead structural repairs in applications from 1 inch (2.5 cm) to full depth.

- **EUCOREPAIR V100**

Single-component, quick-setting, very low shrinkage repair mortar formulated with unique polymers and fiber reinforcement for trowel-applied vertical and overhead repairs requiring high performance. This material is able to be sculpted and shaved after final set, to match the contours of the surrounding substrate.

Also compatible with your other favorite Euclid Chemical cementitious repair products.

SERVICE AND SUPPORT

The Euclid Chemical Company is unique in our offering of superior products, unparalleled customer service and industry support. The Euclid Chemical team delivers a range of value-added resources and in-depth industry experience to architects, designers, engineers, building contractors and owners. Our experts are highly-trained professionals who are available in local offices across the Americas, and are active members on industry technical committees including American Concrete Institute (ACI), International Concrete Repair Institute (ICRI) and American Society for Testing and Materials (ASTM). Our experienced field team is available to support you and your projects using Euclid Chemical solutions and products manufactured under the stringent standards of our ISO 9000 certified quality system. The Euclid Chemical Company works hand-in-hand with customers:

- Supplying field evaluations, recommendations and application problem solving on a project-by-project basis.
- Assisting in product selection, specification, installation and related technology.
- Attending pre-design meetings, assisting in clarifying specifications, and recommending product selection.
- Supporting you by providing proper pre-installation instructions and methods for achieving quality results.

