



EUCO RE-COVER

FIBER-REINFORCED CONCRETE RESURFACER

EUCLID CHEMICAL

HORIZONTAL REPAIR

DESCRIPTION

EUCO RE-COVER is a polymer modified, fiber-reinforced concrete resurfacing mortar. Adding only water, EUCO RE-COVER provides a fresh, aesthetically pleasing appearance to new concrete that has been marred by rain or plastic covering, old or spalled concrete, and salt damaged concrete.

PRIMARY APPLICATIONS

- Driveways
- Sidewalks
- Pool decks
- Garage floors
- Elevated slabs
- Vertical concrete surfaces

FEATURES / BENEFITS

- Excellent working time at 21°C
- Polymer modified
- Micro-fiber reinforced
- Suitable for freeze-thaw environments
- Open to foot traffic in 4 hours, rubber tire traffic in 12 hours at 24°C

TECHNICAL INFORMATION

PHYSICAL PROPERTY	TEST METHOD	RESULT
Working Time	-	30 minutes at 21°C
Initial Set	ASTM C 266	approx. 1 hour
Final Set	ASTM C 266	approx. 2.5 hours
Compressive Strength	ASTM C 109	28 MPa at 28 days

PACKAGING/YIELD

EUCO RE-COVER is packaged in 18 kg moisture resistant bags. The yield of EUCO RE-COVER is 10L per bag. A mixed unit of EUCO RE-COVER will cover approximately 8.6 m² at 1.6 mm.

SHELF LIFE

2 years in original, unopened package.

DIRECTIONS FOR USE

Surface Preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and be free of curing and sealing compounds, dust, dirt, paint, efflorescence, oil and all other contaminants. Typically, pressure washing the surface with a commercial pressure washer (3000 psi, 4 GPM) (21MPa, 0.25 L/s) and allowing to fully dry will be sufficient for preparation. In areas of heavy contamination, preparing the concrete through mechanical means is recommended. Abrade the surface to a profile of at least CSP 2, in accordance with ICRI Guideline 310.2-1997.

Priming: Apply EUCO RE-COVER to dry surfaces. Although a primer is typically not needed, if the concrete is very porous TAMMSWELD bonding adhesive must be used to prevent pinholes from forming in the EUCO RECOVER.

Please refer to the TAMMSWELD technical data sheet for further instructions.

Mixing: All materials should be conditioned to the appropriate temperature range of 10°C - 32°C prior to mixing and placement. EUCO RE-COVER mixes with 4.3 L of clean, potable water for standard overlay applications. Up to an additional 0.4 L can be added when the temperature exceeds 27°C.

EUCO RE-COVER

MASTER FORMAT #:
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For repairing deeper spalls prior to overlaying, EUCO RE-COVER can be mixed with 3.3-3.8 L of water to make a stiff paste suitable for spall repairs. Place 80% of the mixing water into a clean pail. Slowly add the dry EUCO RE-COVER powder into the mixing pail. During this time, the material should be mixed with a drill and “jiffy” type mixing paddle. Slowly add the remaining 20% of the mixing water to the pail and mix for 3 minutes to achieve the desired consistency. Place immediately.

Colouring: EUCO RE-COVER can be integrally colored. Add the desired liquid or dry colorant to the mixing water and stir until colorant evenly disperses throughout the water. Continue mixing in the EUCO RE-COVER as directed. The Euclid Chemical Company does not warrant any colored application. For even results, it is a best practice to “box” all mixing water that has been colored prior to mixing individual bags of EUCO RE-COVER. Colored results vary based on the colorant and amount used.

Placement: Place the mixed EUCO RE-COVER onto the concrete in the desired area. For best adhesion to the concrete, use a scrub brush or stiff street broom to scrub the material onto the prepared substrate. Following the initial placement of the material to the concrete, finish as desired, using either a trowel or a broom. The maximum placement depth of EUCO RE-COVER is 9.5 mm. If multiple lifts are to be applied, score the previous lift after placing; this will provide a great surface to mechanical bond subsequent lifts over. Since EUCO RE-COVER is a thinly applied material, surface and air temperatures greatly effect the working time of the material. On hotter days, it is best practice to work in small, controlled areas to avoid cold joints. Use Euclid Chemical’s EUCOBAR evaporation retardant to retain moisture in the material and to provide longer finishing time. Working from joint to joint in the base concrete is a good practice. All saw cuts and joints in the base concrete will have to be honored through the EUCO RE-COVER material.

Curing and Sealing: Proper curing procedures are important to ensure the durability and quality of the repair. As soon as the material can be walked on without harming the finish, apply a water-based cure and seal compound to the EUCO RE-COVER. If you can apply a cure and seal sooner from the sides of the project, then do so. The use of Euclid Chemical’s DIAMOND CLEAR VOX or SUPER DIAMOND CLEAR VOX is highly recommended for use on this product.

CLEAN UP

Clean all tools and equipment with water prior to the material hardening. EUCO RE-COVER develops a tenacious bond and is difficult to remove after drying.

PRECAUTIONS / LIMITATIONS

- Avoid applying material in direct sun.
- Mixing partial bags will give variable results; always mix full units.
- Use only potable water for mixing.
- DO NOT use this material below 10°C.
- DO NOT use a solvent-based cure and seal on this product.
- DO NOT use plastic or other covering means to cure EUCO RE-COVER, for discoloration will occur.
- Store product in a cool, dry place.
- In all cases, consult the Safety Data Sheet before use

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