

HORIZONTAL REPAIR

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EUCO RE-COVER

FIBER REINFORCED CONCRETE RESURFACER



EUCLID CHEMICAL

PACKAGING

40 lb (18 kg) bags and pails
Code: 150R 05 (pail, MTO)
Code: 150R 40 (bag)

APPROXIMATE YIELD

40 lb (18 kg) unit: 0.48 ft³ (0.014 m³) per unit when mixed with 4.5 quarts (4.3 L) of potable water.

MINIMUM/MAXIMUM APPLICATION THICKNESS

Featheredge to 3/8 inch (10 mm)

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

2 years in original, unopened package

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.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Excellent working time at 70 °F (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 75 °F (24 °C)
- Available in standard light grey as well as white (white may be subject to a minimum quantity order)

PRIMARY APPLICATIONS

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

TECHNICAL INFORMATION

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

Test Method	Test Property	Values
-	Working Time	30 minutes at 70 °F (21 °C)
ASTM C266	Initial Set	approximately 1 hour
ASTM C266	Final Set	approximately 2.5 hours
ASTM C109	Compressive Strength	4000 psi (28 MPa) at 28 days

The following coverage rates are approximations based on yield of a 40 lb unit mixed at standard consistency.

Application Thickness - inches (mm)	1/16 (1.6)	1/8 (3.2)	1/4 (6.4)	3/8 (9.5)
Coverage Area per Unit - ft ² (m ²)	92.1 (8.6)	46.0 (4.2)	23.0 (2.2)	15.3 (1.4)

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) (21 MPa, 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 or EUCOWELD 2.0 bonding adhesive must be used to prevent pinholes from forming in the EUCO RE-COVER. Please refer to the TAMMSWELD or EUCOWELD 2.0 technical data sheet for further instructions.

Mixing: One 40 lb (18 kg) unit requires 4.5 qt (4.3 L) of potable water. Up to an additional pint (0.4 L) can be added when the temperature exceeds 80 °F (27 °C). For repairing deeper spalls prior to overlaying, one unit can be mixed with 3.5 to 4 qt (3.3 to 3.8 L) of potable water to make a stiff paste suitable for spall repairs. All materials should be in the proper temperature range of 50 to 90 °F (10 to 32 °C). Single 40 lb (18 kg) units may be mixed with a drill and “jiffy” mixer. Add 80% of the total mix water to a clean mixing vessel, then gradually add the dry product. Slowly add the remaining 20% of mix water during mixing. Do not exceed maximum water or add any additional additives. Mix for 3 to 5 minutes. Do not retemper. Place immediately.

Coloring: 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 units of EUCO RE-COVER. Colored results vary based on the colorant and amount used.

Placement: Ambient and surface temperatures should be at least 50 °F (10 °C). Working time at 70 °F (21 °C) is approximately 30 minutes. Surface and air temperatures greatly affect the working time of the material. 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. Working from joint to joint in the base concrete is a good practice. On hotter days, it is best practice to work in small, controlled areas to avoid cold joints. This product is designed for finishing with a trowel or a broom. The maximum placement depth of EUCO RE-COVER is 3/8” (9.5 mm). If multiple lifts are to be applied, score the previous lift after placing to provide a suitable surface for mechanically bonding subsequent lifts.

Finishing: This product is designed to be finished with a trowel or broom. Do not add water to the surface during the finishing operation. When placing under hot and windy conditions, the use of EUCOBAR evaporation retarder is recommended to prevent the loss of surface moisture. Always re-establish floor and slab joints when using this product as a finished surface.

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 such as DIAMOND CLEAR VOX or SUPER DIAMOND CLEAR VOX to the surface. If you can apply a cure and seal sooner from the sides of the project, then do so.

PRECAUTIONS/LIMITATIONS

- Store in a dry place.
- Always mix full units.
- Minimum application temperature is 50 °F (10 °C).
- When necessary, follow the recommendations in ACI 305R “Guide to Hot Weather Concreting” or ACI 306R “Guide to Cold Weather Concreting”.
- Do not allow repairs to freeze until the material has reached a minimum of 3,000 psi (21 MPa) compressive strength.
- Avoid applying material in direct sun.
- 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.
- In all cases, consult the Safety Data Sheet before use.

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