



# EUCOFLOOR 202

## WEAR, IMPACT, AND ABRASION RESISTANT FLOOR TOPPING

### PACKAGING

50 lb (22.7 kg) bags  
Code: 407202 50

Bulk bags suitable for mixing in ready-mix trucks available (MTO)

### APPROXIMATE YIELD

**50 lb (22.7 kg) unit:** 0.35 ft<sup>3</sup> (0.01 m<sup>3</sup>) per unit when mixed with 0.45 to 0.51 gallons (1.7 to 1.9 L) of potable water.

### MINIMUM/MAXIMUM APPLICATION THICKNESS

Neat: Minimum 1 inch (2.5 cm)

### CLEAN UP

Clean tools and equipment with water before the material hardens.

### SHELF LIFE

1 year in original, unopened package

### DESCRIPTION

EUCOFLOOR 202 is a high strength, natural aggregate floor topping. The product is used in areas subject to moderate wear, impact, and abrasion. EUCOFLOOR 202 consists of natural aggregates combined with a high-strength cement-based mortar. The product was developed specifically for moderate abrasion applications and is designed for waste transfer station tipping floors. The floor may be returned to light wear service within 48 hours of topping placement, at 70 °F (21 °C).

### PRODUCT CHARACTERISTICS

#### FEATURES/BENEFITS

- High wear, abrasion, and impact resistance
- High early strength for quick turnaround time

#### PRIMARY APPLICATIONS

- Waste transfer station tipping floors
- Industrial floors

### TECHNICAL INFORMATION

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

Test Method	Test Property	Values
ASTM C138	Unit Weight	140.0 lb/ft <sup>3</sup> (2,243 kg/m <sup>3</sup> )
ASTM C1437	Flow	110 to 130%
ASTM C143	Slump	6 to 9 inches (15 to 23 cm)
ASTM C403	Set Time	Final: 3 to 4 hours @ 70 °F (21 °C)
ASTM C109	Compressive Strength 2" (50 mm) cubes	1 day . . . . 4,500 psi (31 MPa) 7 days . . . . 6,500 psi (45 MPa) 28 days . . . 10,000 psi (69 MPa)
ASTM C39	Compressive Strength 4" x 8" (10 x 20 cm) cylinder	7 days . . . . 6,000 psi (41 MPa) 28 days . . . . 8,000 psi (55 MPa)
ASTM C1202	Rapid Chloride Permeability	7 days: 3,000 coulombs 28 days: 750 coulombs
ASTM C157	Length Change	50% RH, 28 days: -0.050% 100% RH, 28 days: +0.050%

The following coverage rates are approximations based on yield of a 50 lb unit mixed at standard consistency.

Application Thickness (inches)	1	1 1/2	2	3	4	6
Coverage Area per Unit (ft <sup>2</sup> )	4.2	2.8	2.1	1.4	1.0	0.7

---

## DIRECTIONS FOR USE

**Surface Preparation:** Concrete surfaces must be structurally sound, free of loose or deteriorated concrete, and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade (a heavy shotblast is strongly suggested) the surface to obtain a surface profile equal to CSP 5-7 in accordance with ICRI Guideline 310.2. Properly clean the profiled area. If the concrete is questionable (weak, punky, heavily contaminated, etc.), it is suggested that cores be taken and analyzed by a qualified petrographer for suggestions on proper surface preparation prior to the topping being placed.

**Perimeter Keyway:** At the termination point of the topping, feather-edging the material to meet the surrounding concrete is not acceptable. The topping needs to be secured around the perimeter of the placement by saw cutting or “keying” into the base slab. The keyway should be a minimum of 1 in. (2.54 cm) deep and ideally undercut back into the base concrete. This will allow the topping to have an adequate thickness at the termination point where the topping meets the adjacent slab.

**Priming:** Apply properly mixed EUCOFLOOR EPOXY PRIMER (see product data sheet for mixing instructions) to the prepared concrete at a rate of 75 to 100 ft<sup>2</sup>/gal (1.8 to 2.5 m<sup>2</sup>/L) over a highly textured surface (coarse aggregate showing). Squeegee the epoxy into place, mechanically scrub the epoxy into the surface of the base concrete and then backroll to ensure a uniform application. Remove any puddles of epoxy that may occur. While the epoxy primer is still wet, broadcast a washed and dried silica sand (recommended 16/30 mesh gradation) until the surface is completely covered with sand and appears dry. If any of the sand looks damp, apply more sand to that area. Allow the epoxy to cure, preferably over night. After the epoxy has cured, remove all loose, un-bonded sand by sweeping and vacuuming prior to the topping application. Note: The epoxy primer will form a vapor barrier on the surface. The moisture vapor transmission (MVT) rate of the base slab must be tested prior to application of the primer to ensure it is under an acceptable amount (3 lbs/1,000 ft<sup>2</sup>/24 hour period).

**Mixing:** All materials should be in the proper temperature range of 55 to 85 °F (13 to 29 °C). The mixing water range for EUCOFLOOR 202 is from 7.5% to 8.5% by weight. For 50 lb (22.7 kg) bags, use 0.45 to 0.51 gal (1.7 to 1.9 L) of potable water. Mix with the appropriate amount of water for 3 minutes. When using 3,000 lb (1360.8 kg) super sacks, mix in a clean ready-mix truck with 27.0 to 30.6 gallons (102.2 to 115.8 L) of potable water per super sack. Mix in the truck for 7 to 10 minutes after the final addition of the material and water. EUCOFLOOR 202 will have a 7 to 8 inch (17 to 20 cm) slump.

**Placement:** Place and finish using standard industry accepted practices for ready-mix concrete. If smallest dimension of the pour exceeds 8 inches, contact a Euclid Chemical representative for support. Minimum thickness for EUCOFLOOR 202 is 1 inch (2.54 cm). Ambient and surface temperatures should be at least 45 °F (7 °C). Place the material on the prepared substrate and move into place with shovels and concrete rakes. The use of a light duty vibratory or roller screed for large placements is necessary. Immediately after screeding, apply a coat of diluted EUCOBAR (see technical data sheet for mixing instructions). This will reduce evaporation and aid in floating. After the material is in place, float the surface smooth and flatten it out. Once the product has set sufficiently, the topping will accept a trowel machine and can be finished similarly to concrete. EUCOFLOOR 202 is more susceptible to blistering while power troweling. **DO NOT USE WATER WHEN TROWELING.** If additional lubrication is needed, use EUCOBAR. Always re-establish the joints from the base concrete up through the topping.

**Curing and Sealing:** EUCOFLOOR 202 must be cured with a high solids curing compound immediately after troweling. Use Super Diamond Clear VOX at a rate of 250 to 300 ft<sup>2</sup>/gal (6.14 to 7.36 m<sup>2</sup>/L). If conditions are unusually dry, water cure after placement of the curing compound and cover with plastic film or blankets.

---

## PRECAUTIONS/LIMITATIONS

- Store in a dry place.
- EUCOFLOOR 202 is mixed to a self-consolidating consistency. Adding more or less water will lead to a significant reduction in performance.
- Always mix full units.
- Minimum application temperature is 45 °F (7 °C).
- Do not allow repairs to freeze until the material has reached a minimum 1,000 psi (6.9 MPa) compressive strength.
- When necessary, follow the recommendations in ACI 305R “Guide to Hot Weather Concreting” or ACI 306R “Guide to Cold Weather Concreting”.
- The final finish of the product has a slightly textured, oatmeal appearance.
- In all cases, consult the Safety Data Sheet before use.

Rev. 06.22

---

**WARRANTY:** The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.