



EUCOREPAIR SMOOTH

POLYMER-MODIFIED, CEMENTITIOUS FINISHING MATERIAL

EUCLID CHEMICAL

PACKAGING

40 lb (18.1 kg) bag
Code: 161RS 40
40 lb (18.1 kg) pail
Code: 161RS 05
Case of 8 lb (3.6 kg) pails (2 per case)
Code: 161RS 95

APPROXIMATE YIELD

40 lb (18.1 kg) unit: 0.40 ft³ (0.011 m³) per unit when mixed with 6.25 to 6.75 qt (5.9 to 6.4 L) of potable water. One 40 lb (18.1 kg) bag will cover approximately 100 ft² (9.3 m²) at 1/8" (3.2 mm) thickness and 425 ft² (39.4 m²) at a skim coat.

8 lb (3.6 kg) unit: 0.08 ft³ (0.002 m³) per unit when mixed with 1.25 to 1.35 qt (1.18 to 1.28 L) of potable water. One 8 lb (3.6 kg) unit will cover approximately 20 ft² (1.85 m²) at 1/8" (3.2 mm) thickness and 85 ft² (7.9 m²) at a skim coat.

MINIMUM/MAXIMUM APPLICATION THICKNESS

Featheredge to 3/8 inches (9.5 mm) per lift

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

1 year in original, unopened package

DESCRIPTION

EUCOREPAIR SMOOTH is a single-component, polymer-modified, cement based material used for achieving a smooth finish on precast, cast-in-place, tilt-up or other unfinished concrete surfaces with imperfections.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Featheredge to 3/8" (9.5 mm)
- User friendly
- Low shrinkage
- Excellent bond
- Interior or exterior use
- Sand and coat same day
- Single-component

PRIMARY APPLICATIONS

- Fill bug holes and honeycombs
- Skimcoats
- Brighten and restore vertical/overhead concrete surfaces
- Smoothing, re-profiling or rubbing concrete surfaces

TECHNICAL INFORMATION

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

Test Method	Test Property	Values
ASTM C109M 2" (50 mm) cubes	Compressive Strength	7 days 3,000 psi (20.7 MPa) 28 days 4,000 psi (27.6 MPa)
	Approximate Working Time	15 to 30 minutes at 70 °F

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. If necessary, mechanically abrade the surface to achieve the conditions outlined above in accordance with ICRI Guideline 310.2. Properly clean profiled area. Acid etching or solvent cleaners are not recommended.

Priming & Bonding: Apply EUCOREPAIR SMOOTH to a properly prepared concrete surface. Work material into the substrate with a float or trowel to help reduce excessive voids/pin holing at the bond line before final finishing. Alternatively, apply EUCOWELD 2.0 to a dry substrate, (see EUCOWELD 2.0 TDS for instructions) then apply EUCOREPAIR SMOOTH and work material into substrate with a float or trowel to help reduce excessive voids/pin holing at the bond line before final finishing.

Mixing: One 40 lb (18.1 kg) unit requires 6.25 to 6.75 qt (5.9 to 6.4 L) of potable water. Single 40 lb (18.1 kg) units may be mixed with a heavy-duty drill and “jiffy” mixer. A paddle type mortar mixer may be used for large jobs. Do not entrap air while mixing. Add the appropriate amount of potable water to a clean mixing vessel, then gradually add the dry product, using only enough water to produce a mixture with a slump free consistency. Mix for 3 to 5 minutes to a lump free consistency. Only mix what can be placed in the allowable working time. Do not retemper.

Mixing (Small Quantity): One 8 lb unit requires 2.5 to 2.75 pints (1.18 to 1.28 L) of potable water. If mechanical mixing is not an option for small quantities, mix two parts powder with one part potable water. Vigorously mix for 3 to 5 minutes with a margin trowel to obtain a lump free mixture. Note mechanical mixing will always result in the most uniform, lump free, smooth consistency, and most consistent color uniformity. Do not exceed maximum water or add any additional additives. Do not overwater or retemper.

Appearance: EUCOREPAIR SMOOTH contains portland cement and is formulated to be gray in color when cured. Existing concrete color can vary greatly in the field. EUCOREPAIR SMOOTH may not match all surrounding concrete substrates in appearance. Conditions at the job site such as exposure to moisture before being completely cured, application thickness variations, direct sunlight exposure or windy conditions during placement, and other field conditions may all lead to color variations.

Application & Finish: Apply EUCOREPAIR SMOOTH to walls with a float or trowel in a smooth uniform coat. EUCOREPAIR SMOOTH can be used from featheredge to 3/8” (9.5 mm). Deep repair areas (greater than 3/8” (9.5 mm) should be patched prior to applying EUCOREPAIR SMOOTH with compatible repair mortar such as EUCOREPAIR V100. If patching larger areas or deep bugholes, it is recommended to perform all patching and then go back over the entire area with EUCOREPAIR SMOOTH. This will provide the best color uniformity.

Curing: In normal conditions, no special curing is required, however, moist curing in hot and/or windy weather will greatly reduce the chances of crazing or plastic shrinkage cracking. Do not use solvent based curing compounds.

Sealing and Painting: Application of a water based latex paint/coating such as TAMMSCOAT or a water-borne sealer such as EVERCLEAR VOX can begin after the material has hardened, been sanded and has been prepped (dust free) to accept the water based coating or sealer. In most cases, this operation can be completed in the same day.

PRECAUTIONS/LIMITATIONS

- Store in dry conditions at temperatures between 50 °F to 90 °F (10 °C to 32 °C).
- EUCOREPAIR SMOOTH should be applied to a maximum thickness of 3/8” (9.5 mm) per lift.
- Do not retemper or over trowel.
- Never add cement or any other additive to EUCOREPAIR SMOOTH.
- Minimum ambient and surface temperature must be 40 °F (4 °C) and rising at the time of application.
- Protect from rain for 24 hours after application.
- On very porous substrates, the use of EUCOWELD 2.0 is recommended.
- In all cases, consult the Safety Data Sheet before use.

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