

VERTICAL/OVERHEAD REPAIR

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TAMMSCRETE

POLYMER MODIFIED, CEMENTITIOUS FINISHING MATERIAL EUCLID CHEMICAL

PACKAGING

40 lb (18.1 kg) bag
Code: TR5116640

APPROXIMATE YIELD

40 lb (18.1 kg) unit: 0.40 ft³ (0.011 m³)
per unit when mixed with 4 to 5 quarts
(3.8 to 4.73 L) of potable water.

MINIMUM/MAXIMUM APPLICATION THICKNESS

Featheredge to 1/8" (3.1 mm), 1/4" (6.4 mm) when extended with sand

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

2 years in original, unopened package

DESCRIPTION

TAMMSCRETE 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 1/8" (3.1 mm), 1/4" (6.4 mm) when extended with sand
- Smooth, creamy consistency
- User friendly
- Low shrinkage
- Long working time
- Interior or exterior use

PRIMARY APPLICATIONS

- Fills bug holes and honeycombs
- Skimcoats
- Brightens and restores vertical and overhead 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 C266	Set Time	Initial Set 20 to 30 minutes
ASTM C109	Compressive Strength	7 days 3,000 psi (20.7 MPa) 28 days 4,500 psi (31.0 MPa)
ASTM C1042	Bond Strength	7 days 1,000 psi (6.9 MPa) 28 days 1,450 psi (10.0 MPa)
ASTM C78	Flexural Strength	7 days 500 psi (3.4 MPa) 28 days 750 psi (5.2 MPa)

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 the surface to achieve a surface profile equal to CSP 3 - 4 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

Priming & Bonding (Vertical & Overhead Skim Coats/Toppings): Apply EUCOWELD 2.0 to a dry substrate or a scrub coat of TAMMSCRETE to the saturated surface dry (SSD) concrete surface. The repair material must be placed on the scrub coat before the scrub coat dries out.

Mixing: Add TAMMSCRETE to the measured water, using only enough water to produce a mixture with a soft creamy putty-like consistency. Water requirements are 4 to 5 qt (3.79 to 4.73 L) per 40 lb (18.1kg) bag. Use a power drill with a "jiffy" mixer to mix single bags. For larger applications, a paddle type mortar mixer is recommended. Do not entrap air while mixing. TAMMSCRETE can be extended with up to 15 lb (6.8 kg) of clean and dried silica sand for a coarser texture and deeper repairs. For improved properties replace 25% of the mix water with AKKRO 7T.

Application & Finish: Apply TAMMSCRETE to walls with a float or trowel in a smooth uniform coat. Deep repair areas should be patched to within 1/8" (3.2 mm) of the surface using a compatible repair mortar such as SPEED CRETE RED LINE. Neat TAMMSCRETE can be used from featheredge to 1/8" (3.2 mm). If extended with sand, TAMMSCRETE can be applied up to 1/4" (6.4 mm).

Curing: Moist cure for best results in hot windy weather. Do not use solvent based curing compounds.

PRECAUTIONS/LIMITATIONS

- Store in dry conditions at temperatures between 50 to 90 °F (10 to 32 °C).
- Unextended TAMMSCRETE should be applied to a maximum thickness of 1/8" (3.2 mm) per lift.
- Do not retemper or over trowel.
- Minimum ambient and surface temperature must be 40 °F(4 °C) and rising at the time of application.
- When necessary, follow the recommendations in ACI 305R "Guide to Hot Weather Concreting" or ACI 306R "Guide to Cold Weather Concreting".
- Protect from rain for 24 hours after application.
- In all cases, consult the Safety Data Sheet before use.

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