



TAMMSCRETE

POLYMER MODIFIED, CEMENTITIOUS FINISHING MATERIAL

VERTICAL/OVERHEAD REPAIR

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.

PRIMARY APPLICATIONS

- Fills bug holes and honeycombs
- Skimcoats
- Brightens and restores vertical and overhead concrete surfaces

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

TECHNICAL INFORMATION

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

Initial Set min. ASTM C 266..... 20 to 30

Compressive Strength, psi (MPa) ASTM C109
 7 days.....3,000 (20.7)
 28 days.....4,500 (31.0)

Flexural Strength, psi (MPa) ASTM C78
 7 days.....500 (3.4)
 28 days.....750 (5.2)

Bond Strength, psi (MPa) ASTM C1042
 7 days.....1,000 (6.9)
 28 days.....1,450 (10.0)

TAMMSCRETE

PACKAGING

TAMMSCRETE is packaged in 40 lb (18.1 kg) poly-lined bags

SHELF LIFE

2 years in original, unopened package

MASTER FORMAT #: 03 01 30.61

COVERAGE/YIELD

One 40 lb (18.1 kg) bag will yield approximately 0.40 ft³ (0.011 m³) and cover approximately 38.4 ft² (3.57 m²) at 1/8" (3.2 mm) thickness.

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.

CLEAN-UP

Clean tools and application equipment immediately after use with water before TAMMSCRETE hardens. Hardened TAMMSCRETE will require mechanical abrasion for removal.

PRECAUTIONS/LIMITATIONS

- Store in dry conditions at temperatures between 50°F to 90°F (10°C 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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