



TECHNICAL DATA SHEET

TAMMSCRETE

Polymer Modified Cementitious Finishing Material

03930

CONCRETE REHABILITATION
CONCRETE

1. **DESCRIPTION:** TAMMSCRETE is a single component, polymer modified, portland cement based material used for achieving a smooth finish on precast, poured in place, tilt up or other unfinished or damaged concrete surface.

FEATURES AND BENEFITS

- Feather-edge to 1/8", to 1/4" when extended with sand
- Smooth, creamy consistency
- User friendly
- Add only water
- Low shrinkage
- Color controlled, concrete gray or white
- Long working time

USES

- Fill bug holes and honeycombs
- Skimcoats
- Brighten and restore old concrete
- Resurfacing

2. **SURFACE PREPARATION:** Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, laitance, oil, coatings and other contaminants. Abrade non-absorptive concrete to obtain a proper profile for good adhesion. Flush area with clean water to remove all dust and to dampen the concrete. Remove any puddles before applying TAMMSCRETE. The surface should remain damp during placement.

3. **MIXING INSTRUCTIONS:** Add TAMMSCRETE to water, using only enough water to produce a mixture with a soft creamy putty-like consistency. Water requirements are 4-5 quarts per 40 pound bag. Use a power drill with a jiffy mixer to mix small quantities. For larger applications, a paddle type mortar mixer is recommended. Do not entrap air while mixing. TAMMSCRETE can be extended with sand for a coarser texture and for deeper repairs. For improved properties replace 25% of the mix water with AKKRO 7T.

Material Properties at 75°F	
ASTM C266 Initial Set, min.	20-30
ASTM C109 Compressive Strength, psi	
7 days	3,000
28 days	4,500
ASTM C1042 Bond Strength, psi	
7 days	1,000
28 days	1,450
ASTM C78 Flexural Strength, psi	
7 days	500
28 days	750

4. **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" of the surface using a compatible repair mortar such as TAMMSPATCH. Neat TAMMSCRETE can be used from feather-edge to 1/8". If extended with sand TAMMSCRETE can be applied up to 1/4".

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

6. **YIELD:** Forty (40) lbs. TAMMSCRETE will yield approximately 0.40 cubic feet. One forty (40) pound bag will cover approximately 40 square feet at 1/8" thickness.

7. **CLEAN-UP INSTRUCTIONS:** Clean tools and application equipment immediately after use with water before TAMMSCRETE hardens. Hardened TAMMSCRETE will require mechanical abrasion for removal.

8. **PACKAGING:** 40 lb poly-lined bags.
Storage: 50°-90° F; in dry conditions.
Shelf life: One year in protected storage.

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9. **CAUTIONS:** Unextended TAMMSCRETE should be applied to a maximum thickness of 1/8" per application. Do not retemper or over trowel. Minimum ambient and surface temperature must be 40°F and rising at the time of application. Protect from rain for 24 hours after application.

10. **ENVIRONMENTAL/SAFETY PRECAUTIONS:**

Product contains portland cement which is alkaline on contact with water. Do not breathe dust. May cause delayed lung injury (Silicosis). IARC reports crystalline silica may cause cancer in humans. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with potable water and call a physician immediately. **DO NOT RUB EYES.** Wash skin thoroughly after handling and before smoking or eating. Use adequate ventilation. **READ MATERIAL SAFETY DATA SHEET BEFORE USING. FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. EMERGENCY RESPONSE: 800-424-9300 (CHEMTREC) OR 800-862-2667 (TAMMS).**

11. **TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

Tamms Industries
3835 State Route 72, Kirkland, IL 60146
800-862-2667, FAX: 815-522-2323
www.tamms.com

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