



# TECHNICAL DATA SHEET

## TAMMS SURFACE PATCH

### Polymer Modified Cementitious Finishing Material

03930

CONCRETE REHABILITATION  
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TAMMS INDUSTRIES  
MARCH 2002

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- DESCRIPTION:** TAMMS SURFACE PATCH 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 concrete surfaces. TAMMS SURFACE PATCH can also be used as a underlayment over primed, firmly braced wood floors. It is not a vapor barrier, contains no added gypsum and has excellent workability for trowel application.
- USES:** TAMMS SURFACE PATCH is used as a skim coat on interior, exterior, vertical and overhead concrete surfaces for filling bug holes and honeycombs, and for finishing precast concrete, concrete pipes and other unfinished concrete surfaces where a smooth finish is desired. TAMMS SURFACE PATCH can also be used as a underlayment over wood floors.
- COMPOSITION:** TAMMS SURFACE PATCH contains a proprietary blend of cements, aggregates, polymer and other additives.

applying TAMMS SURFACE PATCH The surface should remain damp during placement. Wood surfaces should be primed with HORNWELD before application of TAMMS SURFACE PATCH.

- MIXING INSTRUCTIONS:** TAMMS SURFACE PATCH requires 7 quarts of potable water per 50 pounds of material. Use a power drill with a jiffy type mixer to mix small quantities. For larger applications, a paddle type mortar mixer is recommended. The material is stiff initially but relaxes within 3 minutes of mixing. Do not add additional water to loosen the mix. Properly mixed product will have a smooth, thick, batter-like consistency.
- APPLICATION & FINISH:** At the time of application on concrete, the surface should be damp but with no standing water. Brush or trowel TAMMS SURFACE PATCH onto the substrate, scrubbing or forcing the material into all pores and voids. After reaching the desired consistency, double back with additional material and press firmly in place. Trowel to a smooth finish.
- CURING:** Keep moist for three days in conditions of high temperatures (>85°F), high wind or low humidity. Protect from direct sunlight in high temperature environments. DO NOT use solvent based curing compounds.
- YIELD:** Fifty (50) lbs. TAMMS SURFACE PATCH will yield approximately 0.45 cubic feet.
- CLEAN-UP INSTRUCTIONS:** Clean tools and application equipment immediately after use with water before TAMMS SURFACE PATCH hardens. Hardened TAMMS SURFACE PATCH will require mechanical abrasion for removal.

Material Properties at 75°F			
<b>ASTM C266</b>			
Initial Set, min.			60-90
<b>ASTM C109</b>			
Compressive Strength, psi	24 hrs		2100
	7 days		3850
	28 days		4400
Tensile Strength, psi	7 days		900
	28 days		1050
<b>ASTM C78</b>			
Flexural Strength, psi	7 days		725
	28 days		905

- 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

- PACKAGING:** 50 lb. pails, 50 lb. poly-lined bags, 20 lb pails.  
**Storage:** 50-90° F; in dry conditions.  
**Shelf life:** One year in protected storage.

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11. **CAUTIONS:** TAMMS SURFACE PATCH can be applied to a maximum thickness of 1/8" per application. Do not add more water, retemper or over trowel. Minimum ambient and surface temperature must be 45°F and rising at the time of application. TAMMS SURFACE PATCH is not a wearing surface. The portions of the surface treated with TAMMS SURFACE PATCH will have a different appearance than untreated surfaces. If a uniform appearance is desired a decorative coating may be applied over the entire surface.

12. **ENVIRONMENTAL AND 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).

13. **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](http://www.tamms.com)

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