



TECHNICAL DATA SHEET

TAMMS THIN PATCH®

Featheredge to 1 Inch Polymer Modified Patching Mortar

03930

CONCRETE REHABILITATION
CONCRETE

1. **DESCRIPTION:** TAMMS THIN PATCH is a polymer modified, cement based compound, that is formulated for patching and repairing concrete and masonry.

FEATURES AND BENEFITS

- *Single component, Polymer modified*
- *Trowelable repair mortar*
- *Featheredge to one inch*
- *High durability*
- *Outstanding bond strength*
- *High strength*
- *User friendly*

APPLICATIONS

- *Horizontal, vertical or overhead repairs*
- *Interior and exterior use*
- *Fill small holes, honeycomb and spalled areas*
- *Repoint mortar joints*

Material Properties at 75°F		
ASTM C266 (GILMORE)		
Initial Set,	30-50 Mins.	
Final Set,	1-2 Hrs.	
ASTM C109		
Compressive Strength, PSI	7 Day	3,350
	28 Day	5,100
ASTM C190		
Tensile Strength, PSI	7 Day Avg.	245
	28 Day Avg.	410
ASTM C348		
Flexural Strength, PSI	7 Day	630
	28 Day	725
ASTM C157		
Shrinkage, Pct.	7 Day Avg.	-0.084%
	28 Day Avg.	-0.128%
ASTM C672		
Scaling Resistance	25 Cycles	0% loss
Values are typical and not necessarily referenced to create specifications.		

2. **SURFACE PREPARATION:** Surface must be structurally sound, clean, and free of dust, dirt, and all contaminants. Clean and properly prime all exposed reinforcing. When the substrate to be patched is not absorptive, abrade as necessary to ensure proper bonding. Dampen surface with clean water immediately before application. Wipe up excess water on horizontal surfaces to prevent dilution of the THIN PATCH.

3. **MIXING INSTRUCTIONS:** One 50 pound bag of THIN PATCH will require a maximum of 3.5 quarts of potable water. Mix THIN PATCH in a clean container using a slow speed motor and mixing blade. For small quantities, mix with a hand trowel. Pour clean water into the clean container and gradually add the THIN PATCH. Mix thoroughly to disperse all ingredients and to achieve troweling consistency. Do not aerate THIN-PATCH while mixing. Do not use excess water, and do not retemper THIN PATCH.

4. **APPLICATION TECHNIQUES:** Thoroughly dampen area with clean water immediately before patching. Apply sufficient pressure to fill all holes and voids, and then trowel to a smooth finish. On large areas, use a screed to obtain a uniform level before troweling. Do not overtrowel. TAMMS THIN PATCH will achieve initial set in approximately 40 minutes, final set in approximately one hour, and cures within 24 hours under normal drying conditions. Maximum thickness of application is 1" per lift. When applying multiple lifts, allow prior lift to reach final set, score the surface then place the subsequent lift. When applying a cementitious coating like CONCRETE FINISHER, "shadowing" can be minimized by applying the coating as soon as THIN PATCH has achieved its final set. For other types of coating follow manufacturers recommendations. The edges of patches subjected to high vehicular traffic should be saw cut to a depth of 0.25 inches or protected with a topping.

5. **COVERAGE:** A 50 pound bag of TAMMS THIN PATCH will yield approximately 0.4 cubic foot of ready-to-use material. Applied at the following thickness one bag of TAMMS THIN PATCH will cover:
1/4 inch 19.2 sq. ft.
1/2 inch 9.6 sq. ft.
1 inch 4.8 sq. ft.
Coverage rates are approximate and are for estimating purposes only.

6. **CLEAN-UP INSTRUCTIONS:** Clean all mixing and application equipment with water immediately following use. Remove all splatter or spills with water before material sets. TAMMS THIN PATCH is a cementitious product containing a bonding additive, and if splatters are allowed to dry on a surface, removal becomes extremely difficult.

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7. **CAUTIONS:** Mix only enough material for immediate use. Do not apply to frozen or frost filled surfaces, at temperatures below 40°F, or if temperature is expected to fall below 40°F within 24 hours. Application temperatures below 60°F will extend set time. On windy or hot days or for application in direct sunlight, use wet burlap or plastic sheet for curing. Do not use THIN PATCH in joints or cracks that are in movement. Do not apply THINPATCH more than 1 inch deep in one application. Do not overwork/overtrowel the patch. Do not add more water than recommended. Protect from rain for 24 hours.

8. **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. **DO NOT RUB EYES.** Wash skin thoroughly after handling and before smoking or eating. Use adequate ventilation. **KEEP AWAY FROM CHILDREN AND ANIMALS.**

9. **PACKAGING:** 25 lb plastic pails, and 50 lb poly lined bags.
Storage: Covered storage away from all moisture.
Shelf Life: Minimum 1 year in protected storage.
Freight Class: Class 55.

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

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

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