



# TAMMS THIN PATCH

## POLYMER-MODIFIED, MULTI-USE REPAIR MORTAR

### DESCRIPTION

TAMMS THIN PATCH is a polymer-modified, cement based mortar formulated for repairing defects in concrete and masonry surfaces from featheredge up to 1" (2.54 cm).

### PRIMARY APPLICATIONS

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

### FEATURES/BENEFITS

- Single-component
- Trowelable repair mortar
- Long-term durability
- Outstanding bond strength

### TECHNICAL INFORMATION

#### Material Properties @ 75°F (24°C)

#### Set Times ASTM C 266

Initial set.....approx. 30 to 50 min  
Final set.....approx. 1 to 2 hr

#### Compressive Strength psi (MPa) ASTM C 109

1 day.....1,200 (8.3)  
28 day.....3,500 (24.1)

#### Split Tensile Strength psi (MPa) ASTM C 496

7 day.....200 (1.4)  
28 day.....290 (2.0)

#### Flexural Strength psi (MPa) ASTM C 348

7 day.....630 (4.3)  
28 day.....725 (5.0)

#### Shrinkage % ASTM C 157 (3"x3"x11" specimens removed from molds @ 24 hours)

7 day.....-0.008%  
28 days.....-0.040%

#### Scaling Resistance ASTM C 672

50 cycles.....0% loss

### SHELF LIFE

1 year in original, unopened package

### PACKAGING

TAMMS THIN PATCH is packaged in 25 lb (11.3 kg) plastic pails, and 50 lb (22.7 kg) poly lined bags

### COVERAGE/YIELD

A 50 lb (22.7 kg) bag of TAMMS THIN PATCH will yield approximately 0.4 ft<sup>3</sup> (0.01 m<sup>3</sup>) of material. Applied at the following thicknesses, one 50 lb (22.7 kg) bag of TAMMS THIN PATCH will cover:

|                |   |
|----------------|---|
| 1/4" (6.3 mm)  | 19.2 ft <sup>2</sup> (1.78 m <sup>2</sup> ) |
| 1/2" (12.7 mm) | 9.6 ft <sup>2</sup> (.891 m <sup>2</sup> )  |
| 1" (25.4 mm)   | 4.8 ft <sup>2</sup> (.445 m <sup>2</sup> )  |

**Note:** Coverage rates are approximate and are for estimating purposes only

### 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 of CSP 4 or greater in accordance with ICRI Guideline 310.2. Properly clean profiled area. **Priming:** Clean and prime exposed steel with DURALPREP A.C.. Concrete should be primed with a spray or brush coat of DURALPREP A.C.. The primer coat of DURALPREP A.C. must be allowed to thoroughly dry prior to the application of the repair mortar. Alternatively, a Saturated Surface Dry (SSD) concrete surface can be primed with a scrub coat of TAMMS THIN PATCH. The repair must be made before the scrub coat dries out.

**Mixing:** One 50 lb (22.7 kg) bag of TAMMS THIN PATCH will require 3.25 to 3.5 qt (3.1 to 3.3 L) of potable water. Mix TAMMS THIN PATCH in a clean container using a slow speed drill and mixing blade. Pour potable water into the clean container and then gradually add the TAMMS THIN PATCH. Mix thoroughly to disperse all ingredients and to achieve a trowelable consistency. Do not use excess water, and do not retemper TAMMS THIN PATCH.

**Application:** Apply sufficient pressure to fill all holes and voids, then trowel to a smooth finish. On large areas, use a screed to obtain a uniform level before troweling. Do not over-trowel. TAMMS THIN PATCH will achieve initial set in approximately 40 minutes; final set in approximately 1 hour, and cures within 24 hours under normal drying conditions. Maximum thickness of application is 1" (25 mm) per lift. When applying multiple lifts, allow prior lift to reach final set, score the surface then place the subsequent lift.

## CLEAN-UP

Clean all mixing and application equipment with water immediately following use. If material is allowed to dry on a surface, removal becomes extremely difficult.

## PRECAUTIONS/LIMITATIONS

- Do not apply to frozen or frost filled surfaces, at temperatures below 40°F (4°C) or if temperature is expected to fall below 40°F (4°C) within 24 hours.
- Application temperatures below 60°F (16°C) 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 TAMMS THIN PATCH in joints or cracks that are subject to movement.
- Do not apply TAMMS THIN PATCH in more than 1" (25 mm) deep lifts.
- Do not over-work or over-trowel the repair.
- Do not add more water than recommended.
- Protect from rain for 24 hours after placement.
- In all cases, consult the Safety Data Sheet before use.

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