

TAMMS THIN PATCH®

FEATHEREDGE TO 1 INCH (2.5 CM) POLYMER MODIFIED PATCHING MORTAR

DESCRIPTION

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

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
- High durability
- Outstanding bond strength
- High strength
- User friendly

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C)

Set Times ASTM C 266

Initial set 30 to 50 mins

Final set 1 to 2 hrs

Compressive Strength psi (MPa) ASTM C 109

7 day 3,350 (23.1)

28 day 5,100 (35.2)

Tensile Strength psi (MPa) ASTM C 190

7 day 245 (1.7)

28 day 410 (2.8)

Values are typical and not necessarily referenced to create specifications.

Tensile Bond Strength CAN A23.2-6b

(28 days) Greater than concrete

Flexural Strength psi (MPa) ASTM C 348

7 day 630 (4.3)

28 day 725 (5.0)

Shrinkage % ASTM C 157

7 day -0.084%

28 days -0.128%

Scaling Resistance ASTM C 672

25 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 ft³ (.01 m³) of ready to use 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 ft² (1.78 m²)

1/2" (12.7 mm) 9.6 ft² (.891 m²)

1" (25.4 mm) 4.8 ft² (.445 m²)

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 equal to CSP 4 or greater in accordance with ICRI Guideline 310.2. Properly clean profiled area. **Priming:** Clean and prime exposed steel with DURALPREP AC. Concrete should be primed with a spray or brush coat of DURALPREP AC. Alternately, 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 qts (3.1 to 3.3 L) of potable water. Mix TAMMS THIN PATCH in a clean container using a slow speed motor and mixing blade.



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Pour clean water into the clean container and gradually add the TAMMS THIN PATCH. Mix thoroughly to disperse all ingredients and to achieve troweling consistency. Do not use excess water, and do not re-temper TAMMS THIN PATCH.

Application: 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 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 overwork/overtrowel the patch.
- Do not add more water than recommended.
- Protect from rain for 24 hours.
- In all cases, consult the Material Safety Data Sheet before use.

Rev. 10.09

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