

TAMMSPATCH II

TWO COMPONENT REPAIR MORTAR AND UNDERLAYMENT

HORIZONTAL REPAIR

DESCRIPTION

TAMMSPATCH II is a two component polymer modified, cementitious repair mortar and underlayment.

PRIMARY APPLICATIONS

- Flowable underlayment
- Trowelable repair mortar
- Topping product
- Horizontal, vertical or overhead repairs
- Re-point mortar joints

FEATURES/BENEFITS

- Featheredge to 1" (2.5 cm), 2.5" (6.3 cm) if extended
- High durability
- Outstanding bond strength
- High strength
- User friendly
- Moist curing normally not required
- USDA compliant
- Color controlled
- ▲ Can contribute to LEED points.

TECHNICAL INFORMATION

Material Properties at 75°F (24 °C)

Initial set, hrs ASTM C 266 1.5 to 3

Final set, hrs 4 to 5

Compressive strength, psi (MPa) ASTM C 109

3 days 2,500 (17.2)

7 days 3,800 (26.2)

28 days 5,000 (34.5)

Tensile strength, psi (MPa)

28 days 650 (4.5)

Tensile Bond Strength

CAN A23.2-6B (28 days) Greater than Concrete

Flexural strength, psi (MPa) ASTM C 348

7 days 700 (4.8)

28 days 900 (6.2)

Bond strength, psi (MPa) ASTM C 1042

28 days 1450 (10.0)

Shrinkage, % ASTM C 157

28 days 0.0011

Freeze thaw durability factor, ASTM C 666

300 cycles 99.4%

PACKAGING/YIELD

TAMMSPATCH II Part A powder is packaged in 45 lb (20.4 kg) bag with Part B, a 1 gal (3.7 L) liquid mixed unit will yield approximately 0.42 ft³ (.011m³).

SHELF LIFE

1 year in original, unopened package.

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 5 - 7 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 TAMMSPATCH II. The repair must be made before the scrub coat dries out.

Mixing: In a clean container, add 3/4 of liquid (Part B). Using a 1/2" slow speed (400 to 600 rpm) drill and a Jiffy mixer, gradually add the powder (Part A) to produce a mortar with a smooth consistency and without lumps. Add remaining liquid to obtain desired consistency. Do not mix longer than 3 minutes. Do not add water. If extending with an aggregate, use of a mortar mixer is recommended. The aggregate should be added after the powder is added to the liquid. To fill areas deeper than 1" (2.5 cm), TAMMSPATCH II should be extended with up to 20 lbs (9.1 kg) of clean, 3/8" (0.95 cm) pea gravel.

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When extended, TAMMSPATCH II can be applied in lifts of up to 2.5" (6.3 cm). Use multiple lifts to patch deeper depths.

Application: Expansion joints and control joints must be extended through TAMMSPATCH II. Moving cracks will "telegraph" through TAMMSPATCH II. Apply TAMMSPATCH II with a trowel using sufficient pressure to fill surface holes and voids and to ensure maximum bond to the substrate. A broom, wood float or steel trowel finish may be applied to the surface. Avoid excessive troweling, as this will weaken the surface of TAMMSPATCH II. For repair depths greater than 1" (2.5 cm), extend with up to 20 lbs (9.1 kg) of clean, dry pea gravel per bag of TAMMSPATCH II. When using as a wearing surface, mix to a stiffer consistency (use less than full container of mixing liquid) and install to a minimum thickness of 3/8 in (0.95 cm). Do not featheredge when using as a wearing surface. **Trowel Applied Patching:** Mix to a stiff consistency, using less than the full gallon of mixing liquid per bag of TAMMSPATCH II. Lubricate trowel and other tools with mixing liquid to prevent dragging.

Curing: For best results cure with wet burlap, plastic or a water based curing compound in conditions of rapid surface drying - high winds, high temperatures or low humidity. Do not use solvent based curing compounds.

CLEAN-UP

Clean tools and equipment with water before TAMMSPATCH II hardens. Hardened TAMMSPATCH II will require mechanical abrasion for removal.

PRECAUTIONS/LIMITATIONS

- Store in protected, dry storage at temperatures between 40°F to 90°F (4°C to 32°C).
- Protect from freezing.
- Do not apply TAMMSPATCH II below 40°F (4°C).
- Do not apply to a frost filled surface.
- In all cases, consult the Material Safety Data Sheet before use.

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