



# TAMMSPATCH II

## TWO-COMPONENT REPAIR MORTAR AND UNDERLAYMENT

### DESCRIPTION

TAMMSPATCH II is a two-component, polymer-modified, cementitious repair mortar and flowable underlayment. When the two components are combined, TAMMSPATCH II becomes a versatile mortar for numerous applications, due to its ability to be mixed at different consistencies. From flowable to firm, TAMMSPATCH II provides an aesthetically pleasing surface in multiple applications.

### PRIMARY APPLICATIONS

- Resurfacing worn concrete walkways
- Trowelable repair mortar
- Decorative overlays
- Horizontal or vertical repairs
- Pointing mortar joints
- Flowable underlayment

### FEATURES/BENEFITS

- Featheredge to 1" (2.5 cm) per lift neat, 2.5" (6.3 cm) if extended
- Highly durable
- Outstanding bond strength
- High strength
- User friendly
- USDA compliant

### TECHNICAL INFORMATION

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

**Initial Set**, hrs.....approx. 1.5 to 3

**Final Set**, hrs.....approx. 4 to 5

#### **Compressive strength**, psi (MPa) ASTM C 109

7 days.....3,800 (26.2)

28 days.....5,000 (34.5)

#### **Direct Tensile strength**, psi (MPa) ASTM C 1583

7 days.....525 (3.6)

28 days.....650 (4.5)

#### **Flexural strength**, psi (MPa) ASTM C 348

7 days.....600 (4.1)

28 days.....900 (6.2)

#### **Bond strength**, psi (MPa) ASTM C 882

7 days.....950 (6.6)

28 days.....1,450 (10.0)

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

28 days.....-0.023%

#### **Freeze thaw durability factor**, ASTM C 666

300 cycles.....91.0%

### PACKAGING/YIELD

TAMMSPATCH II Part A (powder) is packaged in a 45 lb (20.4 kg) bag. Part B (liquid) is packaged in a 1 gal (3.7 L) jug. A mixed unit will yield approximately 0.42 ft<sup>3</sup> (0.011m<sup>3</sup>).

### SHELF LIFE

1 year in original, unopened packaging

### SPECIFICATIONS/COMPLIANCES

Canadian MTQ

## 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 at least CSP 4 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

**Priming:** Clean and prime exposed steel and concrete 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. 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, the 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 lb (9.1 kg) of clean, 3/8" (0.95 cm) pea gravel. When extended, TAMMSPATCH II can be applied in lifts of up to 2.5" (6.3 cm). Use multiple lifts for deeper repairs.

**Application:** Expansion and control joints must be extended up through TAMMSPATCH II. Moving cracks will "telegraph" a crack through TAMMSPATCH II if they are covered over. 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, float or steel trowel finish may be applied to the surface. Avoid excessive troweling, as this will weaken the surface. 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" (0.95 cm). Do not featheredge when using as a wearing surface.

**Curing:** For best results cure with wet burlap, plastic or a water-based curing compound. Take precautions when placing during difficult conditions when the chance for rapid surface drying is evident such as: high winds, high temperatures, or low humidity. Do not use solvent based curing compounds on this product.

## 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.
- Prior to coating TAMMSPATCH II with an epoxy or other non-breathable coating, verify that all moisture is out of the product prior to application.
- In all cases, consult the Safety Data Sheet before use.

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