

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

- Flowable underlayment
- Trowelable repair mortar
- Decorative overlays
- Horizontal, vertical or overhead repairs
- Pointing mortar joints

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
- Color controlled
- Can contribute to LEED points.

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

3 days.....2,500 (17.2)

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

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

Tensile strength, psi (MPa) ASTM C 190

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 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 ft³ (0.011m³).

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.



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110

Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596

www.euclidchemical.com

An **RPM** Company



Priming: Clean and prime exposed steel with DURALPREP AC. Concrete should be primed with a spray or brush coat of DURALPREP AC. The primer coat of DURALPREP AC 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. For repair depths greater than 1" (2.5 cm), extend with up to 20 lb (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" (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 Material Safety Data Sheet before use.

Rev. 06.11

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.