TAMMSPATCH II
TWO COMPONENT REPAIR MORTAR AND UNDERLAYERMENT

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 to 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
- Apply from featheredge to 1” (2.5 cm) per lift neat, up to 2.5” (6.3 cm) if extended
- Highly durable
- Outstanding bond strength
- High strength
- User friendly

Technical Information
The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Initial Set, hrs.................................approx. 1.5 to 3
Final Set, hrs.................................approx. 4 to 5
Compressive strength, psi (MPa) ASTM C 109
7 days...........................................3,000 (20.7)
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 ft³ (0.011 m³).

Shelf Life
18 months in original, unopened packaging

Specifications/Compliances
- Canadian MTQ
- Canadian Food Inspection Agency compliant

Horizontal Repair
TAMMSPATCH II
Master Format #: 03 01 30.71
**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 & Bonding (Horizontal Toppings):** For the best adhesion to concrete, use EUCOFLOOR EPOXY PRIMER seeded with sand as the bonding coat. Refer to the EUCOFLOOR EPOXY PRIMER technical data sheet for full instructions. Alternatively, application of a scrub coat of TAMMSPATCH II to the saturated surface dry (SSD) concrete surface may be used for bonding. The topping material must be placed on the scrub coat before the scrub coat dries out.

**Priming & Bonding (Saw Cut & Chipped Out Repairs):** Thoroughly clean any exposed reinforcing steel, and apply DURALPREP A.C. to the concrete and the reinforcing steel within the repair area. Refer to the DURALPREP A.C. technical data sheet for full instructions. Alternatively, application of a scrub coat of TAMMSPATCH II to the saturated surface dry (SSD) concrete surface may be used for bonding. The repair material must be placed on the scrub coat before the scrub coat dries out.

**Priming & Bonding (Vertical Skin Coats/Toppings):** Apply a scrub coat of TAMMSPATCH II to the saturated surface dry (SSD) concrete surface. The repair material must be placed on the scrub coat 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 1/2” (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).
- When necessary, follow the recommendations in ACI 305R “Guide to Hot Weather Concreting” or ACI 306R “Guide to Cold Weather Concreting”.
- Do not use DURALPREP A.C. as a bonding agent for toppings and overlays done with TAMMSPATCH II.
- 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.

**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.