TAMMS THIN PATCH
POLYMER MODIFIED, MULTI-USE REPAIR MORTAR

DESCRIPTION
TAMMS THIN PATCH is a polymer modified, cement based mortar formulated for repairing defects in concrete and masonry surfaces from featheredge up to 1” (2.54 cm).

PRIMARY APPLICATIONS
• Horizontal, vertical or overhead repairs
• Interior and exterior use

FEATURES/BENEFITS
• Single component
• Long-term durability
• Fill small holes, honeycomb and spalled areas
• Repoint mortar joints
• Outstanding bond strength

TECHNICAL INFORMATION
The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Set Times ASTM C 266
Initial set.............................................approx. 30 to 60 min
Final set.................................................approx. 1 to 2 hr

Compressive Strength psi (MPa) ASTM C 109
1 day...................................................1,200 (8.3)
28 day..................................................3,500 (24.1)

Split Tensile Strength psi (MPa) ASTM C 496
7 day...................................................200 (1.4)
28 day...................................................290 (2.0)

Flexural Strength psi (MPa) ASTM C 348
7 day......................................................630 (4.3)
28 day...................................................725 (5.0)

Shrinkage % ASTM C 157 (3”x3”x11” specimens removed from molds @ 24 hours)
7 day.......................................................-0.006%
28 days..................................................-0.021%

Scaling Resistance ASTM C 672
50 cycles................................................0% loss

SHELF LIFE
18 months 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 (0.01 m³) of 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 m³)

Note: Coverage rates are approximate and are for estimating purposes only

SPECIFICATIONS/COMPLIANCES
Canadian Food Inspection Agency compliant
**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.

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**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 CSP 4 or greater 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 EUCOWELD 2.0 or a scrub coat of TAMMS THIN PATCH 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 EUCOWELD 2.0 or a scrub coat of TAMMS THIN PATCH 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 Skim Coats/Toppings):** Apply EUCOWELD 2.0 or a scrub coat of TAMMS THIN PATCH 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:** One 50 lb (22.7 kg) bag of TAMMS THIN PATCH will require 3.25 to 3.5 qt (3.1 to 3.3 L) of potable water. Mix TAMMS THIN PATCH in a clean container using a slow speed drill and mixing blade. Pour potable water into the clean container and then gradually add the TAMMS THIN PATCH. Mix thoroughly to disperse all ingredients and to achieve a trowelable consistency. Do not use excess water, and do not retemper TAMMS THIN PATCH.

**Application:** Apply sufficient pressure to fill all holes and voids, then trowel to a smooth finish. On large areas, use a screed to obtain a uniform level before troweling. Do not overtrowel. 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.

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**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.

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**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.
- When necessary, follow the recommendations in ACI 305R “Guide to Hot Weather Concreting” or ACI 306R “Guide to Cold Weather Concreting”.
- On windy or hot days or for application in direct sunlight, use wet burlap or plastic sheet for curing.
- Do not use DURALPREP A.C. as a bonding agent for toppings and overlays done with TAMMS THIN PATCH.
- 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 over-work or over-trowel the repair.
- Do not add more water than recommended.
- Protect from rain for 24 hours after placement.
- In all cases, consult the Safety Data Sheet before use.