

# TAMMS THIN PATCH

POLYMER MODIFIED, MULTI-USE REPAIR MORTAR



EUCLID CHEMICAL

## PACKAGING

TAMMS THIN PATCH is packaged in 25kg polyethylene lined bags.

## APPROXIMATE YIELD

A 25kg bag of TAMMS THIN PATCH will yield  $\pm 15$  litres of material. Applied at the following thicknesses, one 25kg bag will cover:

7.5m<sup>2</sup> at 2mm thick

3.75m<sup>2</sup> at 4mm thick

1.50m<sup>2</sup> at 10mm thick

**NOTE: Coverage rates are approximate and are for estimating purposes only.**

## CLEAN-UP

Clean all mixing and application equipment with water immediately following use. If material is allowed to dry on surface, removal becomes extremely difficult.

## SHELF LIFE

1 Year in original, unopened container when stored in dry conditions. Heavy relative humidity will reduce the shelf life.

## DESCRIPTION

TAMMS THIN PATCH is a polymer modified, cement-based mortar formulated for repairing defects in concrete and masonry surfaces for featheredge up to 12.5mm.

## PRODUCT CHARACTERISTICS

### FEATURES / BENEFITS

- Single component
- Long-term durability
- Outstanding bond strength

### PRIMARY APPLICATIONS

- Horizontal, vertical or overhead repairs
- Interior and exterior use
- Fill small holes, honeycomb and spalled areas
- Repoint mortar joints

## TECHNICAL INFORMATION

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

Property	Values at 25°C	
Set Times ASTM C266	Initial Set	$\pm 30$ to 60 Minutes
	Final Set	$\pm 1$ to 2 Hours
Compressive Strength (MPa) ASTM C109	3 Days	>10 MPa
	7 Days	>16 MPa
	28 Days	>30 MPa
Flexural Strength (MPa) ASTM C348	7 Days	4.3 MPa
	28 Days	5.0 MPa

Tamms Thin Patch (2) July 2023 replaces September 2020

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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 Guidelines 310.2. Properly clean profiled area.

**Priming & Bonding:** For the best adhesion to concrete, use a scrub coat of TAMMS THIN PATCH to the saturated surface dry (SSD) concrete surface. The topping material must be placed on the scrub coat before the scrub coat dries out.

**Mixing:** One 25kg bag of TAMMS THIN PATCH will require 5 litres 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 re-temper 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 over-trowel. 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 12.5mm 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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## PRECAUTIONS / LIMITATIONS

- Do not use for structural repair work where high compressive strengths are required.
- Do not apply to frozen or frost filled surfaces, at temperatures below 4°C or if temperature is expected to fall below 4°C within 24 hours.
- Application temperatures below 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 TAMMS THIN PATCH in joints or cracks that are subject to movement.
- Do not apply TAMMS THIN PATCH in more than 12.5mm 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.

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