



EUCLID CHEMICAL

TAMMS THIN PATCH

Polymer Modified, Multi-Use Repair Mortar

HORIZONTAL / VERTICAL / OVERHEAD
REPAIRS

DESCRIPTION

TAMMS THIN PATCH is a polymer modified, cement-based mortar formulated for repairing defects in concrete and masonry surfaces from featheredge up to 25mm.

PRIMARY APPLICATIONS

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

FEATURES/BENEFITS

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

TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 25°C, 50% RH

Property	Test Method	Values at 25° C	
Components	-	Single	
Colour	-	Grey	
Setting Time	ASTM C266	Initial	30 – 60 minutes
		Final	60 – 120 minutes
Compressive Strength	ASTM C109	1 Day	> 8.3 N/mm ²
		28 Days	> 24.1 N/mm ²
Split Tensile Strength	ASTM C496	7 Days	> 1.4 N/mm ²
		28 Days	> 2.0 N/mm ²
Flexural Strength	ASTM C348	7 Days	> 4.3 N/mm ²
		28 Days	> 5.0 N/mm ²
Shrinkage	ASTM C157	7 Days	-0.006%
		28 Days	-0.021%
Scaling Resistance	ASTM C672	50 cycles: 0% loss	
Application Thickness	-	Up to 25mm	

Values presented are typical and not necessarily referenced to create specifications.

PACKAGING

TAMMS THIN PATCH is packaged in 25 kg bag.

SHELF LIFE

18 Months if stored between 15°C to 30°C

COVERAGE/YIELD

~12.30 ltr/25 Kg bag with 3.30 ltr of water addition.

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 EUCO SBR LATEX to a dry substrate 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 CARBOZINC 858 to the reinforcing steel within the repair area. Refer to the CARBOZINC 858 technical data sheet for full instructions. Alternatively, application of EUCO SBR LATEX 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 EUCO SBR LATEX to a dry substrate 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 25 kg bag of TAMMS THIN PATCH will require 3.1 to 3.3 Ltrs 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 trawlable 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 trowelling. 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 25 mm per lift. When applying multiple lifts, allow prior lift to reach final set, score the surface then place the subsequent lift.

Curing: Follow ACI guidelines for curing. In the case of high temperatures, high wind, or low humidity causing rapid surface drying, use a fog curing system or a water-based curing compound. DO NOT use solvent based curing compounds.

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.

PRECAUTIONS / LIMITATIONS

- Do not apply to frozen or frost filled surfaces, temperatures below 4°C or if temperature expected to fall below 4°C within 24 hours.
- On windy or hot days or for application in directly sunlight, use wet burlap or plastic sheet for curing.
- When necessary, follow the recommendations in ACI 305R “Guide to Hot Weather Concreting” or ACI 306R “Guide to Cold Weather Concreting”.
- Do not use TAMMS THIN PATCH in joints or cracks that are subject to movement.

- Do not apply TAMMS THIN PATCH in more than 25mm 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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June 2023 (DXB/RP/10/Ver1)

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