



TAMMS FORM AND POUR HES-IN

EUCLID CHEMICAL

FLOWABLE, NON SHRINK CEMENTITIOUS MICRO CONCRETE WITH CORROSION INHIBITOR

Description

TAMMS FORM AND POUR HES - IN is a flowable, non shrink single component, polymer-modified, cementitious repair mortar and a migratory corrosion inhibitor, capable of full depth repairs.

Primary Applications

- Use on grade, above and below grade
- Horizontal surfaces and formed vertical and overhead surfaces
- Repair material for parking facilities, industrial plants, walkways, bridges, tunnels, dams and balconies
- Filler for voids and cavities
- Compatible with galvanic anodes

Features/Benefits

- 20 mm to 150 mm depth repairs (neat)
- Can be extended with pea gravel for deeper Repairs
- High early and ultimate strength gain
- High bond strength
- Pumpable
- Easily mixed

Technical Information

Material Properties at 24°C

Typical results under laboratory conditions

Compressive Strength, MPa ASTM C 109

1 day	30
7 days	60
28 days	75

Flexural Strength, MPa ASTM C 348

7 days	16.9
28 days	18.3

Splitting Tensile Strength, MPa ASTM C 496

7 days	4.8
28 days	6.2

Expansion : 1 to 3% unrestrained.

Pressure to restrain

Plastic expansion : 0.004 N/mm² approx

Fresh wet density : 2300 – 2400 kg/m³

PACKAGING

TAMMS FORM AND POUR HES-IN is packaged in 25 kg bag

SHELF LIFE

6 months in original, unopened package

COVERAGE

One 25 bag yields approximately 0.012m³. Actual yield will vary depending on the consistency of quantity of aggregate added in TAMMS FORM AND POUR HES-IN

Directions for Use

TAMMS FORM AND POUR HES-IN is used for repairs to reinforced concrete elements, particularly where access is restricted and where vibration of the placed material is difficult or impossible. 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 equal to CSP 7 - 9 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

Priming: Clean and prime exposed steel with DURALPREP A.C.. Concrete should be primed with a spray or brush coat of DURALPREP A.C.. Alternately, a Saturated Surface Dry (SSD) concrete surface can be primed with a scrub coat of **TAMMS FORM & POUR HES - IN** (horizontal only). The repair must be made before the scrub coat dries out.

Mixing: **TAMMS FORM AND POUR HES - IN** requires 3.75 L of mix water per 25 Kg bag. Use a drill with a “jiffy” type mixer to mix single bags. For larger applications use a paddle type mortar mixer or a standard concrete mixer. Do not add additional water. Mix for 3 to 5 minutes until a smooth flowable consistency is achieved. For application depths in excess of 75 mm up to 150 mm add 12.5 to 18.75 Kg of 5mm to 12mm clean, saturated surface dry (SSD) pea gravel.

Application: The unrestrained surface area of the repair should be kept to a minimum. **TAMMS FORM AND POUR HES-IN** should be mixed, placed and finished within 30 minutes. Pour the mixed material into the prepared area to be repaired. Screed and trowel the material so as to level with the existing concrete. Finish the surface as desired. Do not over-trowel or featheredge. Follow ACI guidelines for proper curing. On windy or hot days or when under direct sunlight, wet curing is recommended.

CLEANING

Clean application tools and mixer with water immediately after use. Hardened TAMMS FORM AND POUR HES-IN will be difficult to remove.

PRECAUTIONS & LIMITATIONS

- Minimum depth of repair is 20 mm.
- Maximum depth of repair is 75 mm and 150 mm extended with pea-gravel.
- Do not add any admixtures to TAMMS FORM AND POUR.
- The repair area should be frost free prior to application.
- Do not apply at temperatures below 5°C.
- Condition material to room temperature at least 24 hours prior to use.
- In all cases, consult the Safety Data Sheet before use.