



# TAMMS FORM AND POUR

FLOWABLE, SHRINKAGE COMPENSATED MICRO-CONCRETE  
WITH CORROSION INHIBITOR

## DESCRIPTION

TAMMS FORM AND POUR is a flowable, single-component, polymer-modified, cementitious repair micro-concrete and capable of structural repair from 20 mm to 75 mm neat, and full depth when extended.

## 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
- Structural / Column repairs where a highly flowable material required

## FEATURES/BENEFITS

- 20 mm to 75 mm depth repairs (neat)
- Can be extended with pea gravel for deeper repairs
- High bond strength
- Pumpable
- Easily mixed
- Contains Integral corrosion Inhibitor

## TECHNICAL INFORMATION

Material properties tested under laboratory conditions 27°C, 50% RH

PROPERTIES	VALUE
Compressive Strength ASTM C109, 70.6 mm cubes	1 day - 20 MPa 7 days - 40 MPa 28 days - 50 MPa
Flexural Strength ASTM C348	28 days - < 7.0 MPa
Splitting Tensile Strength, ASTM C496	28 days - 6.2 MPa
Shrinkage, ASTM C157 (3"x3"x11" specimens were removed from molds @ 24 hours)	3 days - -0.016% 7 days - -0.043% 28 days - -0.084%
Chloride Permeability ASTM C1202	3,000 Coulombs

## PACKAGING

TAMMS FORM AND POUR is packaged in 25 kg HDPE bags

## SHELF LIFE

6 months in original, unopened package

## COVERAGE

One 25 bag yields approximately 0.013 m<sup>3</sup>

## 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 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 (horizontal only). The repair must be made before the scrub coat dries out.

**Mixing:** TAMMS FORM AND POUR requires 4 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 2 to 3 minutes until a smooth flowable consistency is achieved. For application depths in excess of 75 mm up to 150 mm add 15 kg of 10 mm saturated surface dry (SSD) down pea gravels .

**Application:** The unrestrained surface area of the repair should be kept to a minimum. TAMMS FORM AND POUR 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.

## CLEAN-UP

Clean application tools and mixer with water immediately after use. Hardened TAMMS FORM AND POUR 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 50°C.
- Condition material to room temperature at least 24 hours prior to use.
- In all cases, refer the Safety Data Sheet before use.