



# TAMMS FORM AND POUR

**FLOWABLE, SHRINKAGE COMPENSATED MORTAR  
WITH CORROSION INHIBITOR**

HORIZONTAL REPAIR

TAMMS FORM AND POUR

MASTER FORMAT #:  
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## DESCRIPTION

TAMMS FORM AND POUR is a flowable, single-component, polymer-modified, cementitious repair mortar containing silica fume 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

- 1.9 cm to 7.6 cm depth repairs (neat)
- Can be extended with pea gravel for deeper repairs
- Silica fume enhanced
- High bond strength
- Pumpable
- Easily mixed
- Can contribute to LEED points

## TECHNICAL INFORMATION

### Material Properties @ 24°C

Typical results under laboratory conditions

### Compressive Strengths ASTM C109 MPa

1 day.....	20.7
7 days.....	44.8
28 days.....	53.8

### Flexural Strength ASTM C 348

7 days.....	6.9
28 days.....	8.3

### Split Tensile Strength, ASTM C 496 MPa

7 days.....	4.8
28 days.....	6.2

### Shrinkage, % ASTM C 157 (3"x3"x11" specimens were removed from molds @ 24 hours)

3 days.....	-0.016
7 days.....	-0.043
28 days.....	-0.084

### Freeze-Thaw Durability, ASTM C 666

300 cycles.....	100 relative dynamic modulus
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### Chloride Permeability ASTM C 1202

Coulombs.....	3,000
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### Volumetric Resistivity.....13,390 ohm/cm

## PACKAGING

TAMMS FORM AND POUR is packaged in 25kg poly-lined bags.

## SHELF LIFE

2 years in original, unopened package.

## COVERAGE

One 25kg bag yields approximately 11L.

## DIRECTIONS FOR USE

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**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.. Alternatively, 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 2.8 to 3.1L of mix water per 25kg 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 7.6 cm, up to 15.2 cm add 13.6kg of 0.95 cm 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 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 feather edge. Follow ACI guidelines for proper curing. On windy or hot days or when under direct sunlight, wet curing is recommended.

## CLEAN UP

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

## PRECAUTIONS / LIMITATIONS

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- Minimum depth of repair is 1.9 cm.
- Maximum depth of repair is 7.6 cm neat, and 15.2 cm 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 4°C.
- Condition material to room temperature at least 24 hours prior to use.
- In all cases, consult the Safety Data Sheet before use.

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