

TAMMS FORM AND POUR

FLOWABLE, SHRINKAGE COMPENSATED CONCRETE W/CORROSION INHIBITOR

DESCRIPTION

TAMMS FORM AND POUR is a flowable, one component, polymer modified cementitious repair mortar containing silica fume and a migratory corrosion inhibitor.

PRIMARY APPLICATIONS

- On grade, above and below grade on concrete
- 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

- 3/4" to 3" (19 mm to 76 mm) depth repairs
- Can be extended with pea gravel for deeper repairs
- Silica fume enhanced
- High bond strength
- Pumpable
- Compatible to coefficient of thermal expansion of concrete
- Easily mixed
- ▲ Can contribute to LEED points

TECHNICAL INFORMATION

Material Properties at 75°F (24°C)

Compressive Strength, psi (MPa) ASTM C 109*

1 day.....	3,000 (20.7)
7 days.....	6,500 (44.8)
28 days.....	7,800 (53.8)

Flexural Strength, psi (MPa) ASTM C 78

1 day.....	560 (3.9)
7 days.....	780 (5.4)
28 days.....	1140 (7.9)

Slant Shear Bond Strength, psi (MPa) ASTM C 882

1 day.....	1,730 (11.9)
7 days.....	2,500 (17.2)
28 days.....	2,650 (18.3)

Tensile Strength, psi (MPa) ASTM C 190

1 day.....	300 (2.1)
7 days.....	630 (4.3)
28 days.....	740 (5.1)

Splitting Tensile Strength, psi (MPa) ASTM C 496

1 day.....	940 (6.5)
7 days.....	1450 (10.0)
28 days.....	1840 (12.7)

Length Change, % change ASTM C 157*

1 day.....	0.021
7 days.....	0.023
28 days.....	0.027

Freeze-Thaw Durability, ASTM C 666 300 cycles

Weight Loss, % of zero cycles..... 0.0

Chloride Permeability ASTM C 1202*

Coulombs..... 1140 "low"

Typical results obtained under laboratory conditions

* Per ICRI Guideline 03740 "Data Sheet" Protocol.

PACKAGING

TAMMS FORM AND POUR is packaged in 50 lb (22.7 kg) poly-lined bags.

SHELF LIFE

2 years in original, unopened package.

COVERAGE

One 50 lb. bag yields approximately 0.42 ft³ (0.01 m³).

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 a minimum depth of 3/4" (1.9 mm) to achieve a surface profile equal to CSP 8 - 9 in accordance with ICRI Guideline 03732. Properly clean profiled area.



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

An **RPM** Company



Priming: Clean and prime exposed steel with DURALPREP AC. Concrete should be primed with a spray or brush coat of DURALPREP AC. 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 3 qts (2.8 L) of mix water per 50 lb (22.7 kg) bag. Use power drill with a jiffy type mixer to mix small quantities. 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 3 in (7.62 cm) add 30 pounds of 3/8" to 1/2" (0.95 to 1.27 cm) clean, saturated surface dry pea gravel per 50 lb (22.7 kg) bag of TAMMS FORM AND POUR.

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 patched. Screed and trowel the material so as to level with the existing concrete. If required, lightly trowel to seal the edges, and 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

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 patching is 3/4" (1.9 cm).
- Do not add any additives to TAMMS FORM AND POUR.
- The patch area should be frost free prior to application.
- Do not apply at temperatures below 40°F (4°C).
- In all cases, consult the Material Safety Data Sheet before use.

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.