TAMMS FORM AND POUR

Flowable, Shrinkage Compensated Mortar with Corrosion Inhibitor

EUCLID CHEMICAL

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

- 3/4" to 3" (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 at 75°F (24°C)
Typical results under laboratory conditions

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 348
7 days.....1,000 (6.9)
28 days.....1,200 (8.3)

Splitting Tensile Strength, psi (MPa) ASTM C 496
7 days.....700 (4.8)
28 days.....900 (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

Chloride Permeability ASTM C 1202
Coulombs.....3,000

Volumetric Resistivity
28 days.....8,650 ohm/cm

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 ft^3 (0.01 m^3)

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.

19215 Redwood Road • Cleveland, OH 44110
800-321-7628 t • 216-531-9596 f
www.euclidchemical.com

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 2.75 to 3 qt (2.6 to 2.8 L) of mix water per 50 lb (22.7 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 3" (7.6 cm), up to 6" (15.2 cm) add 30 lb of 3/8" (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 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 3/4" (1.9 cm).
- Maximum depth of repair is 3" (7.6 cm) neat, and 6" (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 40°F (4°C).
- Condition material to room temperature at least 24 hours prior to use.
- In all cases, consult the Safety Data Sheet before use.