



TECHNICAL DATA SHEET

TAMMS FORM AND POUR

One Component, Flowable, Shrinkage Compensated Concrete

DESCRIPTION: TAMMS FORM AND POUR is a one component, shrinkage compensated concrete repair mortar.

FEATURES AND BENEFITS

- *3/4 - 3" depth repairs*
- *Can be extended with pea gravel for deeper repairs*
- *Contains a migratory corrosion inhibitor*
- *High bond strength*
- *Pumpable*
- *Compatible with coefficient of thermal expansion of concrete*
- *Easily mixed*

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*

SURFACE PREPARATION: Surface must be structurally sound, clean and free of loose or deteriorated concrete, dust, dirt, and all contaminants. Edges of area to be patched must be vertical, chipped or steep angle cut, to a minimum depth of 3/4". Clean and prime exposed steel and reinforcing with DURALPREP AC. If substrate is not absorptive, abrade as necessary to obtain proper profile for good adhesion. Flush area with clean water to remove all dust and dampen the concrete. Wipe off any excess water or puddles prior to placement of TAMMS FORM AND POUR. The surface should remain damp during placement of TAMMS FORM AND POUR.

MIXING INSTRUCTIONS: TAMMS FORM AND POUR requires 3 quarts of mix water per 50 lb bag. Use power drill with a jiffy type mixer to mix

Material Properties

Compressive Strength, psi (ASTM C109)

1 day	7,300
7 days	10,200
28 days	11,500

Flexural Strength, psi (ASTM C78)

1 day	560
7 days	780
28 days	1140

Slant Shear Bond Strength, psi (ASTM C882)

1 day	1,730
7 days	2,500
28 days	2,650

Tensile Strength, psi (ASTM C190)

1 day	300
7 days	630
28 days	740

Splitting Tensile Strength, psi (ASTM C496)

1 day	940
7 days	1450
28 days	1840

Length Change, % change (ASTM C157)

1 day	0.021
7 days	0.023
28 days	0.027

Freeze-Thaw Durability, 300 cycles (ASTM C666)

Weight Loss, % of Zero Cycles	0.0
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Chloride Permeability (ASTM C1202)

Coulombs	1140 "low"
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Typical results obtained under laboratory conditions

small quantities. For larger applications use a paddle type mortar mixer or a standard concrete mixer. Do not add additional water. Mix for 2-3 minutes until a smooth flowable consistency is achieved. For

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application depths in excess of 3 inches add 30 pounds of 3/8" to 1/2" clean, saturated surface dry pea gravel per 50 pound bag of TAMMS FORM AND POUR.

APPLICATION TECHNIQUES: 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 overtrowel or featheredge. Follow ACI guidelines for proper curing. On windy or hot days or when under direct sunlight, wet curing is recommended.

COVERAGE: One 50 lb. bag yields approximately 0.42 cubic feet.

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

CAUTIONS: Minimum depth of patching is 3/4". 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.

ENVIRONMENTAL AND SAFETY PRECAUTIONS: Industrial Use Only. Product contains Portland cement which is alkaline on contact with water. Do not breathe dust. May cause delayed lung injury (Silicosis). IARC reports crystalline silica may cause cancer in humans. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with potable water and call a physician. DO NOT RUB EYES. Wash skin thoroughly after handling and before smoking or eating. Use adequate ventilation.

PACKAGING: 50 lb poly-lined bags.

Storage: Covered storage away from all moisture.

Shelf Life: One year in protected storage.

Freight Class: Class 55

TECHNICAL SERVICE: For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES, INC.
3835 State Route 72, Kirkland, IL 60146
800-862-2667; FAX: 815-522-2323
www.tamms.com

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