

# TAMMS SPRAY MORTAR

ONE COMPONENT, SPRAYABLE REPAIR MORTAR



## DESCRIPTION

**TAMMS SPRAY MORTAR** is a one component repair mortar applied by low pressure spray or hand trowel for concrete repairs. TAMMS SPRAY MORTAR is a proprietary formulation of portland cement, graded aggregates, unique fibers, and chemical additives used to increase adhesion, strength, and sprayability.

## PRIMARY APPLICATIONS

- Vertical and overhead concrete repair
- Interior and exterior use
- Bridge, parking garages, and tunnels
- Manholes, pipelines, dams and other waste water structures
- Compatible with Galvanic Anodes

## FEATURES/BENEFITS

- Low pressure spray or trowel applied
- 30 minute working time
- One component, fiber reinforced
- Silica fume enhanced
- 3/8 inch to 2.0 inch applications
- Contains migratory corrosion inhibitor
- Freeze-thaw resistant
- ▲ Can contribute to LEED points

## TECHNICAL INFORMATION

Material Properties at 75°F (24°C)	<b>Shear Bond Strength</b> , psi (MPa) ASTM C 882
<b>Set Time</b> , ASTM C 266, Gilmore	28 Days .....3,250 (22.4)
<b>Initial Set</b> , approx. hrs. .... 1	<b>Splitting Tensile Strength</b> , psi (MPa) ASTM C 496
<b>Final Set</b> , approx. hrs. .... 2	7 Days .....480 (3.3)
<b>Compressive Strength</b> , psi (MPa) ASTM C 109	28 Days .....660 (4.5)
1 Day .....3,200 (22.0)	<b>Freeze Thaw Resistance</b> , ASTM C 666
7 Days .....6,200 (42.7)	300 cycles .....96% RDF
28 Days .....8,500 (58.6)	<b>Chloride Permeability</b> ,
<b>Flexural Strength</b> , psi (MPa) ASTM C 78	ASTM C 1202..... 1050 coulombs
7 Days .....1,500 (10.3)	
28 Days .....1,650 (11.4)	

Values presented are typical and not necessarily referenced to create specifications.

## SHELF LIFE

1 year in original, unopened package.

## PACKAGING

TAMMS SPRAY MORTAR is packaged in 50 lb (22.7 kg) poly-lined bags.

## COVERAGE/YIELD

One 50 lb (22.7 kg) bag yields approximately 0.45 ft<sup>3</sup> (.012 m<sup>3</sup>).

## DIRECTIONS FOR USE

**Surface Preparation:** Surface must be structurally sound, clean, and free of loose or deteriorated concrete, dust, dirt, and other contaminants (See ICRI Guideline 03730 for surface preparation procedures). For best results, edges of area to be patched should be vertical, chipped or steep angle cut to a minimum depth of 3/8 inch. Clean all exposed reinforcing steel and prime 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 product. The surface should be saturated surface dry (SSD) during placement of product.

**Mixing:** TAMMS SPRAY MORTAR will require approximately 3.0 to 3.5 qts (2.8 to 3.3 L) of potable water per 50 lb bag (22.7 kg) to achieve the proper mix consistency. Pour the measured amount of water into a clean mixing container, then add the measured amount of TAMMS SPRAY MORTAR, and mechanically mix for 3 to 4 minutes.

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One Component, Sprayable Repair Mortar

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MS SPRAY MORTAR may be applied using low-pressure spray equipment commonly used for plastering. It is always recommended to use spray equipment for larger repairs. Succeeding lifts may be placed after material reaches initial set.

## CLEAN-UP

Clean application tools and mixing equipment with water immediately following use.

## PRECAUTIONS/LIMITATIONS

- Protect from moisture.
- Protect repair from direct sunlight, wind, and other conditions that could cause rapid drying.
- Minimum ambient and surface temperature should be 40°F (4°C) and rising at the time of application.
- Curing according to ACI guidelines is required for optimum performance and durability.
- In all cases, consult the Material Safety Data Sheet before use.