

FAST-TRACK 500

HIGH-PERFORMANCE POLYMER MORTAR SYSTEM

Data Sheet C-024

1. PRODUCT NAME

FAST-TRACK 500

2. MANUFACTURER

Polygem, Inc.
1105 Carolina Drive
West Chicago, IL 60185
Telephone: (630) 231-5600
FAX: (630) 231-5604
Internet: www.polygem.com

3. PRODUCT DESCRIPTION

FAST-TRACK 500 is a specially formulated fast-setting patching system consisting of a high-strength polymer liquid formula that is combined with select graded aggregate to produce an extremely strong bonding, stress and impact resistant polymer grout. **FAST-TRACK 500** sets in less than 10 minutes and rapidly gains strength to allow for repairs to be opened for service in as little as 15 minutes. **FAST-TRACK 500** is formulated for patching of pavements, machinery bases, equipment anchoring, and concrete structure repairs where durability, impact and vibration resistance is desired. **FAST-TRACK 500** is a 100% solids system that will not shrink upon cure and will absorb kinetic forces better than cement based grouts.

FAST-TRACK 500 is available in 10 pound pre-measured kits that contains high-strength liquid resin and specially graded aggregate in conveniently contained in a plastic pail that is used to mix the system at time of application. Yield is approximately 100 cubic inches or ½ gallon of mixed mortar and finished color is asphalt black.

Advantages

- Fast-setting, hardens in as little as 15 minutes.
- Bonds to most dry surfaces
- Easy to mix and apply

Uses

For the patching and repair of spalled concrete or asphalt surfaces that require immediate return to service. **FAST-TRACK 500** is also excellent for patching cold surfaces such as refrigerated warehouses. **FAST-TRACK 500** is ideal for use on:

- Race tracks
- Garage ramps
- Roads and highways
- Heavy traffic areas
- Parking Lots
- Refrigerated environments
- Loading Docks
- Machinery Bases

4. MIXING AND APPLICATION INSTRUCTIONS

1. Surface to be repaired shall be dry and free of oils, dirt, coatings or other contaminants. Eliminate any feather-edges by saw cutting or chipping a minimum ¾" deep square edge.
2. Stir the aggregate to dry mix the ingredients. Open small can of resin and pour entire contents into pail with aggregate. Mix for two minutes to evenly coat all the aggregate. Do not over mix!
3. Pour out mixed material directly onto area to be repaired. Evenly spread mortar with trowel or screed board. Finish mortar smooth by vigorous tamping with screed board or trowel.

Packaging

FAST-TRACK 500 is available in 10 lb. complete kits.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for 6 months. Do not allow product to freeze and store at temperatures below 80 °F. Exposure to temperatures above 85°F will severely shorten expected shelf life. Example, product stored at 100°F may only have a 1-month shelf life.

Limitations

- Not for use on wet surfaces.
- During cool conditions epoxy will cure slower, protect finished work from wear and abrasion until fully cured.

Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- FAST-TRACK 500** may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

5. TECHNICAL DATA

Performance Properties
Test/Test Method Results

Compressive Strength	9,400 psi (min)
Tensile Strength ASTM D-638	3,650 psi (min)
Tensile Elongation D-638	6.3%
Pot-Life (100 gram mass)	8 mins @ 77°F
Cure (100 gram mass)	15 minutes @ 77°F
Mixing Ratio	1 Part Resin to 6.52 Parts of Aggregate
Color	Black
Shelf Life	6 months

Polygem, Inc. warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current physical properties when applied within Polygem's directions and tested in accordance with ASTM and Polygem standards. Polygem, Inc.'s liability is limited to replacement of material found defective. As Polygem, Inc. has no control over the use to which others may put its products, it is recommended that the product be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.