



FasTrac V/O Mortar

POLYMER-MODIFIED VERTICAL / OVERHEAD REPAIR MORTAR



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac V/O Mortar is a high-performance repair mortar for vertical and overhead applications without the use of formwork. FasTrac V/O Mortar's polymer modification enhances bond development and ease of installation and may be placed at thicknesses ranging from 1/8 inch to 2 inches (3 mm to 50 mm) in a single lift. Formulated with an integral corrosion inhibitor, FasTrac V/O Mortar has excellent long-term durability and corrosion resistance.

APPLICATIONS

- Beam and Column Repairs
- Retaining Walls
- Tunnels
- Building Facades
- Bridge Piles and Piers

FEATURES

- Integral Corrosion Inhibitor
- High Bond Strength
- Polymer Modified
- Easy-to-Use One Component
- Fiber Reinforced

SURFACE PREPARATION

The concrete substrate must be structurally sound and have attained design strength. Roughen concrete surfaces to an ICRI 310.2R Concrete Surface Profile (CSP) of 6 to 10 or as otherwise specified. Sawcut perimeter edges to a minimum 1/4 inch (6 mm) depth. Remove all loose or unsound concrete, dust, debris, and other bond inhibiting contaminants from surfaces. Presoak concrete surfaces for 2 to 3 hours prior to material installation. Surfaces should be saturated surface dry (SSD) at time of placement.

For exposed rebar applications, undercut as required and remove all oxidation and rust from exposed rebar.

MIXING

Mix FasTrac V/O Mortar with a drill and paddle and suitable size mixing container. Start by adding approximately 3 quarts (2.8 liters) water per 50 lb. (22.7 kg) to mixing container, followed by repair material. Add repair material in increments slowly while mixing with drill and paddle. Mix for 2 minutes. Add additional water up to 0.25 quarts (0.23 liters) to adjust consistency as necessary and continue mixing for an additional 1 minute. Use immediately after mixing.

INSTALLATION

For best results, condition material and surfaces to between 65°F and 85°F (18.3°C and 29.4°C).

Start at one corner of repair and scrub in an initial thin layer of repair material into area. Immediately follow by placing additional repair material on top of scrubbed in area to full depth, up to 2 inches. Continue filling repair in this manner. Ensure enough freshly mixed material is always available to complete repair. For repairs deeper than 2 inches, contact FasTrac Construction Products.

CURING

FasTrac V/O Mortar should be wet cured for a minimum of 1 hour after placement using wet burlap or burlene after final set. A curing compound meeting the requirements of ASTM C 309 may be used in lieu of wet curing.

CLEAN UP

All surfaces, tools and equipment may be cleaned with water prior to material setting.



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 Lee's Summit, MO 64081



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COVERAGE AND YIELD

50 lb. (22.7 kg) bag yields approximately 0.45 cubic feet (.0127 cubic meters).

SHELF LIFE AND STORAGE

1 year from date of manufacture in original unopened containers when stored under dry, weather-proof conditions.

Store product at temperatures between 40°F and 90°F (4.4°C and 32°C).

TYPICAL PROPERTIES at 75° F (23.8° C)		
TEST METHOD	RESULTS	
ASTM C109 Compressive Strength		
	1 Day	4,500 psi (31.0 MPa)
	7 Days	7,000 psi (48.3 MPa)
	28 Days	9,000 psi (62.1 MPa)
ASTM C882 Slant Shear Bond		
	1 Day	2,500 psi (17.2 MPa)
	7 Days	3,000 psi (20.7 MPa)
ASTM C157 Length Change		
	28 Days Wet	+0.08%
	28 Days Dry	-0.09%
ASTM C266 Set Time		
	Initial	25-30 Minutes
	Final	30-40 Minutes
ASTM C672 Scaling Resistance		
		0 (None)

HEALTH AND SAFETY INFORMATION

This product contains Portland cement, silica sand and respirable silica. Respirable silica is a suspected human carcinogen by NTP and IARC. Use proper PPE when working with this material, including eye protection, gloves and NIOSH / MSHA approved dust masks or respiratory protection as required to prevent inhalation and accidental ingestion. Read SDS thoroughly before use.

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CEMENTS | CONCRETES | EPOXIES | GROUTS | MORTARS | MIXING SYSTEMS | HFST



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