



FasTrac 246 Mortar

FAST-TURNAROUND, HIGH-PERFORMANCE MORTAR



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac 246 Mortar is a rapid-setting, high performance concrete for small and large volume repairs. High early strength development allows fast return to service for horizontal and formed vertical repairs in as little as 2 to 3 hours at normal temperatures. FasTrac 246 Mortar may be extended with clean, washed pea gravel for deeper placements.

APPLICATIONS

- Airport Runways
- Bridge Deck Patching
- Parking Structures
- Pavement Rehabilitation
- Spall Repair

FEATURES

- 3 Hour Turnaround
- Very Low Drying Shrinkage
- Excellent Freeze / Thaw Resistance
- High Bond Strength
- Easy to Use, Single Component

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. Saw-cut perimeter edges to a minimum 1/2 inch (12 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. Blow out surfaces with oil free compressed air. For exposed rebar applications, undercut as required and remove all oxidation and rust from exposed rebar.

MIXING

Mix FasTrac 246 Mortar with a mortar mixer. For extended mixes, a concrete mixer may be used. Add recommended water content of 2.2 to 2.38 quarts (2.08 to 2.25 liters) water per 60 lb. (27.2 kg) to mortar mixer followed by repair material. Mix for approximately 3 minutes. Use immediately after mixing. For extended mixes in a mortar mixer, add clean washed pea gravel after 246 Mortar has been mixed to desired consistency. For extended mixes in concrete mixer, add clean washed pea gravel after water addition followed by 246 Mortar.

INSTALLATION

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

For horizontal repairs, place material from one side of the repair and firmly work into substrate. Place material to full depth and work across repair area. Rodding helps consolidate material on deeper pours. Finish as necessary. For formed vertical installations, pour material through birds-mouth or entry point. Do not allow material to free fall excessively on long vertical repairs.

CURING

FasTrac 246 Mortar should be continuously wet cured for a minimum of 2 hours after placement using wet burlap or soaker hoses after final set. A curing compound meeting the requirements of ASTM C 309 may be used in lieu of wet curing.



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CLEAN UP

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

COVERAGE AND YIELD

60 lb. (27.2 kg) bag yields approximately 0.45 cubic feet (0.013 cubic meters).

Also available in 3,000 lb. (1362 kg.) bulk bags.

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		
	3 Hours	3,500 psi (24.1 MPa)
	1 Day	5,000 psi (34.5 MPa)
	7 Days	7,500 psi (51.7 MPa)
	28 Days	8,500 psi (58.6 MPa)
ASTM C882 Slant Shear Bond		
	1 Day	2,000 psi (13.8 MPa)
	7 Days	2,500 psi (17.2 MPa)
ASTM C266 Set Time		
	Initial	20-30 Minutes
	Final	30-40 Minutes

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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