

FASTRAC 246 MORTAR

Rapid Setting Mortar Mix

DESCRIPTION

FasTrac 246 Mortar is a one-component, shrinkage compensated, proprietary blend of cements, aggregates, and performance enhancing chemical additives. This rapid setting repair mortar is mixed with water on site, used for small-scale horizontal concrete repairs, and form and pour vertical applications that require high early strength gain. It is fully extendable for larger repairs.

FEATURES/BENEFITS

- Very rapid setting; structures can be opened to vehicular traffic in 3 hours
- Non-gypsum based with volume stability
- Excellent resistance to freeze/thaw outstanding durability
- Shrinkage compensation minimizes cracking from drying shrinkage
- Polymer modified with integral corrosion inhibitor

WHERE TO USE

- Airport runways
- Concrete slab replacement
- Repair of Bridges
- Parking decks
- Horizontal concrete surfaces
- Interior or exterior

PACKAGING

- 60lb bag
- 3000lb bulk bag

YIELD

Approx. 0.45-cu.ft. /60 lb. bag when mixed with the recommended amount of water.

SHELF LIFE

12 mos. properly stored

STORAGE

Store and transport in clean, dry conditions

APPLICATION TEMPERATURE RANGE

- 40°F to 90°F

HOW TO APPLY

Surface Preparation (See ICRI guidelines)

For repairs, perform surface preparation in accordance with ICRI Technical Guidelines. Concrete must be sound and fully cured (28 days). Remove all unsound concrete and roughen the surface for better bonding. Remove all laitance, oil, grease, curing compounds, and other contaminants that could prevent adequate bond. The concrete substrate should be saturated surface dry (SSD), without standing water, before application. Apply the mixed material onto the prepared SSD substrate by trowel or screed. Minimum application thickness is 1/2-in and extension with pea gravel is recommended for applications greater than 6-in. Finish the completed repair, as required without overworking the surface.

Reinforcing Steel

Remove all oxidation and scale from the exposed reinforcing steel in accordance with ICRI Technical Guideline No. 03730 "Guide for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion."

Mixing

Mix with required amount of cool, potable water for desired application characteristics, from 5.5 to 6.5 U.S. pints per 60lbs. (27.2kg) bag. Conduct field trials to verify proper consistency, yield and a thoroughly mixed product. Can be extended with coarse aggregate up to 100% by weight.

Working time- Approx. 15-25 min

Set time – min, at 72°F (22°C), ASTM C 191

Initial.....20-30 minutes
Final.....30-40 minutes

Compressive strength – 2"x2" cubes, ASTM C109

3 hr.....3,500 psi (24.1 MPa)
1 day.....5,000 psi (34.5 MPa)
28 days.....8,500 psi (58.6 MPa)

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Curing

Cure immediately after finishing. Use a curing compound that complies with ASTM C 309. In extreme heat, keep the patches covered and damp.

Clean up

Clean tools, and equipment with clean water immediately after use. Cured materials must be removed mechanically.

Health and Safety

Make certain the most current versions of product data sheet and are being used.

Risks

Product contains portland cement and sand (crystalline silica); it can cause skin and eye irritation. Ingestion or inhalation of dust may cause tract irritation. This contains free respirable quartz, which has been listed as a suspected human carcinogen by NTP and IARC. Repeated or prolonged overexposure to free respirable quartz may cause silicosis or other serious and delayed lung injury.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Prevent contact with skin and eyes. Prevent inhalation of dust. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or is used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes, and seek medical attention. In case of skin contact, wash affected areas with soap and water. If the irritation persists seek medical attention. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If the discomfort persists, breathing difficulty occurs, or if swallowed seek medical attention. Refer to Material Safety Data Sheet (MSDS) for further information.

Proposition 65

This product contains material listed by California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

0 lbs/gal or 0 g/L

LIMITED WARRANTY NOTICE

Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac 246 Mortar" product and in the information, which we issue concerning these products and their use. We warrant our products to be good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only on quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Western Material and Design, LLC makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Western Material and Design, LLC shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Western Material and Design, LLC technical manager.