



FasTrac 6K Concrete Mix

NORMAL-SETTING CONCRETE REPAIR MATERIAL



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac 6K Concrete Mix is a one-component, normal setting concrete repair material for full depth horizontal and formed vertical repairs. FasTrac 6K Concrete Mix contains coarse aggregate, has good long term durability characteristics, and may be poured or pumped in place.

APPLICATIONS

- General Concrete Patching
- Parking Decks
- Horizontal Repairs
- Formed Vertical Repairs

FEATURES

- High Bond Strength
- Adjustable Slump
- Packaged with Coarse Aggregate
- One Component

SURFACE PREPARATION

The concrete substrate must be structurally sound and have attained design strength. Roughen concrete surfaces to a minimum CSP 6 to CSP 10 in accordance with ICRI Standard 310.2R or as otherwise specified. Sawcut perimeter edges to a minimum 1-inch (25 mm) depth. Remove all loose or unsound concrete, dust, debris, and other bond inhibiting contaminants from surfaces. Blow out all repair surfaces. Presoak concrete surfaces for 4 to 6 hours prior to material installation. Surfaces should be saturated surface dry (SSD) at time of placement.

For exposed rebar applications, undercut to ¾ inch (18.7 mm) or as required. Remove all oxidation and rust from exposed rebar.

MIXING

Mix FasTrac 6K Concrete Mix with a concrete or mortar mixer. Water content is approximately 3 quarts (2.8 liters) per 60 lb. (27.2 kg.) bag. Start by adding approximately 2.75 quarts (2.6 liters) water per 60 lb. (27.2 kg) to mixing container, followed by repair material. Add repair material with mixer running. Mix for 3 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. Do not exceed maximum water content. Use immediately after mixing. For bulk bag mixing and installation, contact FasTrac Construction Products.

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 repair to full depth and continue along repair in this manner. Scrub repair into substrate to promote bond. Consolidate as necessary, do not over-vibrate material. Formed vertical repairs should be done in a manner to minimize material freefall. For deeper placements or where consolidation is a concern, material and formwork may be vibrated to facilitate elimination of voids.

CURING

FasTrac 6K Concrete Mix should be continuously wet cured for a minimum 6 to 12 hours after placement using wet burlap, burlene 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 0.50 cubic feet (.014 cubic meters) at maximum water content.

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°C and 32°C).

TYPICAL PROPERTIES at 75° F (23.8° C)

TEST METHOD		RESULTS
ASTM C109 Compressive Strength		
	1 Day	3,000 psi (20.7 MPa)
	7 Days	4,000 psi (27.6 MPa)
	28 Days	6,000 psi (41.4 MPa)
ASTM C 293 Flexural Strength		
	7 Days	750 psi (5.2 MPa)
ASTM C 882 Slant Shear Bond Strength		
	7 Days	1,500 psi (10.3 MPa)
ASTM C 1202 Rapid Chloride Permeability		
	28 Days	Less Than 1000 Coulombs
ASTM C 157 Length Change / Drying Shrinkage		
	28 Days	-0.05% (Dry)

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.

LIMITED WARRANTY

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Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac 6K Concrete" 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, Cornerstone Construction Material LLC (CCM) makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Construction Material LLC (CCM) shall have no other liability with respect thereto. Any claim regarding a product defect must be received in writing within one year of the date of shipment. No claim will be considered without such written notice or after the specified time interval. The 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 Cornerstone Construction Material LLC (CCM) technical manager.

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