



FasTrac 246 SCC Concrete

SELF-CONSOLIDATING, FAST-TURNAROUND CONCRETE REPAIR



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac 246 SCC Concrete is a self-consolidating, high early strength concrete repair material for horizontal and formed vertical repairs. As a fast turnaround repair material, repaired structures may be returned to service in as little as 2 to 3 hours after installation. FasTrac 246 SCC Concrete is polymer modified and contains an integral corrosion inhibitor for excellent long-term durability.

APPLICATIONS

- Airport Runways
- Bridge Decks
- Pavement Repairs
- Formed Vertical Repairs

FEATURES

- Self-Consolidating
- Polymer-Modified
- Corrosion Inhibitor
- High Bond Strength

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 surfaces with oil-free compressed air. 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 to $\frac{3}{4}$ inch (18.7 mm) or as required. Remove all oxidation and rust from exposed rebar.

MIXING

Mix FasTrac 246 SCC Concrete with a concrete or mortar mixer. Water content is approximately 2.3 to 2.6 quarts (2.17 to 2.46 liters) per 60 lb. (27.2 kg.) bag. Add water to mixer first followed by repair material with mixer running. Mix for 3 to 4 minutes. Use immediately after mixing. Adjust water content as necessary. Do not exceed maximum water content. 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. Work material into substrate. Consolidate as necessary, do not over - vibrate material. Formed vertical repairs should be done in a manner to minimize material freefall.

CURING

FasTrac 246 SCC Concrete should be continuously wet cured for a minimum 2 to 3 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 0.48 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		
	2 Hours	2,000 psi (13.8 MPa)
	3 Hours	3,000 psi (20.7 MPa)
	1 Day	5,000 psi (34.5 MPa)
	7 Days	6,000 psi (41.4 MPa)
	28 Days	7,500 psi (51.7 MPa)
ASTM C882 Slant Shear Bond		
	3 Day	3,000 psi (20.7 MPa)
	28 Days	3,500 psi (24.1 MPa)
ASTM C157 Linear Length Change		
	28 Days Wet	-0.05%
	28 Days Dry	+0.02%
ASTM C266 Set Time		
	Initial	30-40 Minutes
	Final	40-50 Minutes
ASTM C1202 Rapid Chloride Permeability		
	28 Days	<1000 coulombs
ASTM C666A Freeze Thaw Resistance		
	300 Cycles	90% RDM

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 246 SCC 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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