



FasTrac 6K SCC Concrete

NORMAL-SETTING, SELF-CONSOLIDATING CONCRETE REPAIR MATERIAL



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac 6K SCC Concrete is normal setting, single component, self-consolidating concrete repair material for full depth horizontal and formed vertical repairs. FasTrac 6K SCC Concrete contains polymer modification and an integral corrosion inhibitor for excellent long-term durability. FasTrac 6K SCC Concrete may be poured or pumped in place.

APPLICATIONS

- General Structural Repairs
- Foundations
- Horizontal Repairs
- Formed Vertical Repairs

FEATURES

- Self-Consolidating
- Polymer-Modified
- 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 repair 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 6K SCC Concrete with a concrete or mortar mixer. Water content is approximately 2.5 to 2.75 quarts (2.36 to 2.6 liters) per 60 lb. (27.2 kg.) bag. Start by adding approximately 2.5 quarts (2.36 liters) water per 60 lb. (27.2 kg) to mixer, 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.

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 where feasible. Consolidate as necessary, do not over - vibrate material. Formed vertical repairs should be done in a manner to minimize material freefall.

CURING

FasTrac 6K SCC Concrete should be continuously wet cured for a minimum of 12 to 24 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 0.45 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 C39 Compressive Strength		
	1 Day	2,000 psi (13.8 MPa)
	7 Days	5,500 psi (37.9 MPa)
	28 Days	6,000 psi (41.4 MPa)
ASTM C882 Slant Shear Bond		
	28 Days	2,500 psi (17.2 MPa)
ASTM C157 Linear Length Change		
	28 Days Dry	-0.05%
	28 Days Wet	+0.05%
ASTM C293 Flexural Strength		
	28 Days	1,000 psi (6.9 MPa)

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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