

FasTrac® 246 SCC Concrete

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.

Uses

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

Features & Benefits

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

Physical Properties

Physical Properties at 23.80°C		
TEST METHOD	RESULTS	
ASTM C39 Compressive Strength	2 Hours	13.8 MPa
	3 Hours	20.7 MPa
	1 Day	34.5 MPa
	7 Days	41.4 MPa
	28 Days	51.7 MPa
ASTM C882 Slant Shear Bond	3 Days	20.7 MPa
	28 Days	24.1 MPa
ASTM C157 Length Change	28 Days wet	+0.02%
	28 Days dry	-0.05%
ASTM C1202 Rapid Chloride Permeability	28 Days	< 1000 coulombs
ASTM C666A Freeze Thaw Resistance	300 Cycles	90% RDM

Application Guidelines

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 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. Surfaces should be saturated surface dry (SSD) at time of placement. For exposed rebar applications, undercut to 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 2.2 to 2.5 liters per 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.



INSTALLATION

For best results, condition material and surfaces to between 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.

CLEAN UP

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

COVERAGE AND YIELD

A 27.2 kg bag yields approximately 14L 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 4°C and 32°C.

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 Safety Data Sheet (SOS) for further information.

Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained, experienced and competent in the use of epoxy grouting products. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the suitability of the product for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

