



FasTrac 246-303 Concrete

RAPID-SETTING CONCRETE



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac 246-303 Concrete is a two-component, fiber-reinforced, polymer modified, shrinkage compensated, proprietary blend of cements, aggregates, and performance enhancing chemical additives. This rapid setting concrete is mixed with FasTrac Polymer RTU on site, contains a corrosion inhibitor and is used for large-scale horizontal concrete repairs, and form and pour vertical applications that require high early-strength gain.

APPLICATIONS

- Bridge Deck Repairs
- Airport Runways
- Parking Decks
- Dowel Bar Retrofit

FEATURES

- 3 Hour Traffic Ready
- Shrinkage Compensated
- Excellent Freeze Thaw Resistance
- Low Chloride Permeability

SURFACE PREPARATION

Condition surfaces to between 40°F and 90°F (4.4°C and 32°C). Concrete should be structurally sound and mechanically profiled to a Concrete Surface Profile (CSP) of 6 or greater in accordance with ICRI Standard 310.2R Selecting and Specifying Concrete Surface Preparation for Coatings, Sealers and Polymer Overlays. Saw-cut perimeter edges to a minimum 1-inch depth. All loose, broken, unsound concrete and standing water must be removed. Blow out concrete surfaces of all dust, debris, and bond inhibiting contaminants with oil free compressed air. Concrete shall be saturated surface dry prior to placement.

MIXING

Mix FasTrac 246-303 Concrete with a mortar mixer (rotating paddle mixer). Add recommended amount of FasTrac Polymer RTU of 2.2 to 2.38 quarts (2.08 to 2.25 liters) to mortar mixer followed by 246-303 Concrete. Mix for approximately 3 minutes. Use immediately after mixing.

APPLICATION

Discharge or pour concrete into the area, strike off, screed and finish immediately. Place into area full depth and work into substrate. Vibrate as necessary. Do not add water to the surface to aid finishing.

CURING

Apply a curing compound meeting the requirements of ASTM C 309 immediately after final finishing or wet cure for a minimum 2 hours after final set. Do not use wax-based curing compounds.

CLEAN UP

All surfaces, tools and equipment may be cleaned with water immediately after use and prior to hardening of concrete.



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PACKAGING AND YIELD

Yields approximately 0.5 cubic yards (0.382 cu. meter) per 1800 lb. (818 kg.) bulk bag and 0.45 cubic feet (0.016 cu. yds.) per 60 lb. (27.2 kg.) bag.

SHELF LIFE AND STORAGE

Shelf life: 1 year from date of manufacture when stored in dry weatherproof conditions.

Storage Temperatures: 40° F (4.4°C) to 95° F (35° C).

TYPICAL PROPERTIES at 75° F (23.8° C)		
TEST METHOD		RESULTS
ASTM C191 Set Time		20-30minutes initial / 30-40 minutes final
ASTM C39 Compressive Strength 3" x 6" Cylinders		
	2 Hours	2,000 psi (13.8 MPa)
	3 Hours	3,000 psi (20.7 MPa)
	1 Day	6,500 psi (34.5 MPa)
	28 Days	7,500 psi (51.7 MPa)
ASTM C882 Slant Shear Bond Strength		
	1 Day	2,500 psi (17.2 MPa)
ASTM C157 Shrinkage		
	28 Days Dry	-0.04%
	28 Days Wet	+0.02%
ASTM C1202 Rapid Chloride Permeability	28 Days	<1000 coulombs LOW
ASTM C666A Freeze Thaw Resistance	300 Cycles	97.2% RDM

HEALTH AND SAFETY INFORMATION

Read SDS thoroughly before use. Use of this product can expose user to respirable silica, which is known by the state of California, IARC and NTP to cause cancer. Do not breathe dust and avoid all contact with skin and eyes. Wear proper PPE including long sleeves, eye protection, gloves and NIOSH / MSA approved respiratory protection. In case of contact with skin, immediately wash affected area. In case of contact with eyes, flush eyes for 15 minutes with water and seek medical attention.

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