

FasTrac® 246 HP Concrete

Description

FasTrac 246 HP Concrete is a one-component, shrinkage compensated, proprietary blend of cements, aggregates, and performance enhancing chemical additives. This rapid setting concrete is mixed with water on site, used for large-scale horizontal concrete repairs, and form and pour vertical applications that require high early-strength gain.

Applications

- Airport runways
- Concrete slab replacement
- Bridge deck repair
- Parking decks
- Horizontal concrete surfaces
- Dowel bar retrofit
- Interior or exterior

Features & Benefits

- Very rapid setting; allows structures to be opened to vehicular traffic in 3 hours
- Non-gypsum based with volume stability
- Excellent resistance to freeze/thaw without standing durability
- Shrinkage compensation minimizes cracking from drying shrinkage
- Structural repair material
- Low thermal profile

Working Time

Approx. 15 - 25 minutes		
Set time @ 22°C ATSM C191	Initial	20 - 30 minutes
	Final	30 - 40 minutes
Compressive Strength 3" x 6" cylinders ASTM C39	3 Hours	62 MPa
	1 Day	68.9 MPa
	28 Days	95.5 MPa

Application Guidelines

SURFACE PREPARATION (see ICRI guidelines)

- Concrete must be sound and fully cured (28 days).
- Saw cut the perimeter of the area being patched into a square with a minimum depth of 1" (25mm).
- Remove all unsound concrete and roughen the surface to min. 1/4" profile amplitude.
- Remove all laitance, oil, grease, curing compounds and other contaminants that could prevent adequate bond.
- The concrete substrate should be saturated surface-dry (SSD), without standing water, before application.
- Apply the mixed material onto the prepared saturated surface-dry (SSD) substrate by trowel or screed. Ensure proper consolidation of the mortar and compaction around reinforcing steel. Minimum application thickness is 1" based on a 3/8" max. Coarse aggregate. Finish the completed repair, as required, taking care not to overwork the surface.

REINFORCING STEEL

Remove all oxidation and scale from the exposed reinforcing steel in accordance with ICRI Technical Guideline No. 03730 "Guide for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion."



MIXING

Mix with required amount of cool, potable water for desired application characteristics, from 2.18- 2.34 litres per 27.2kg bag. Conduct field trials to verify proper slump, (approx 8") yield and a thoroughly mixed product.

Curing

Protect finished concrete from rapid moisture loss by covering with plastic or curing blankets, or cover with wet burlap. Do not use wax based curing compounds.

CLEAN UP

Clean tools and equipment with clean water immediately after use. Cured material must be removed mechanically.

COVERAGE & YIELD

Largely dependent on aggregate proportion; approximately 2.29m³ per bulk bag and approximately 0.0127m³ per 27.2 kg bag.

SHELF LIFE AND STORAGE

1 year from date of manufacture in original unopened containers when stored under dry, weather-proof conditions.

RISKS

Product contains portland cement and sand (crystalline silica); it can cause skin and eye irritation. Ingestion or inhalation of dust may cause tract irritation. This contains free respirable quartz, which has been listed as a suspected human carcinogen by NTP and IARC. Repeated or prolonged overexposure to free respirable quartz may cause silicosis or other serious and delayed lung injury.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Prevent contact with skin and eyes. Prevent inhalation of dust. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or is used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations.

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.

VOC CONTENT

0 lbs/gal or 0 g/L.





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.

