



FasTrac RESURFACER

Product Description

FasTrac ReSurfacer is a two-component, rapid setting, low shrinkage mortar that is used to overlay existing pavements and floors. FasTrac ReSurfacer is mixed with polymer and water on site and is placed with suitable placement equipment and finished to the desired texture. For applications thicker than 1-inch (25.4mm), the mortar should be extended with 3/8-inch (9.5mm) aggregate.

Where to use

- Resurfacing of floors and pavements
- Adding traction to polished surfaces
- Microtoppings/Thin bonded overlays
- Airport runways
- Bridge deck surfaces
- Industrial concrete floor repair

Features and Benefits

- Rapid Setting; Structures can be opened for pedestrian traffic in less than 1-hour, vehicular traffic in less than 3 hours
- Very low shrinkage
- Low permeability and improved overall durability
- Excellent resistance to freeze/thaw
- Excellent workability

Application Temperature Range

4°C to 32°C

Hot weather placement procedures recommended above 32°C

Cold weather placement procedures recommended below 10°C

HOW TO APPLY

Surface Preparation (see ICRI guidelines)

Prepare the substrate by removing trash and debris. No priming is necessary; however, it is advisable to wet the surface until SSD.

Early Traffic

If heavy vehicle traffic will be introduced to the surface at a very early age (24 hours or less), then it is advised to scarify the surface to ensure adequate bond.

Surface Defects/Blemishes

To avoid blemishes from the substrate reflecting to the surface, it is necessary to repair defects prior to placing the mortar. Use FasTrac ReSurfacer for best results.

Mixing

When using 27 kg bags, begin by placing approximately 2.37L of the liquid into the mixer. Add the mortar mix into the mixer and begin mixing. Add the remaining liquid to the mix slowly, so the mortar wets out evenly. Mix for 2-3 minutes until consistency is achieved. If more fluid consistency desired, add up to but no more than .47L of water to the blend.

Curing/Protection

No curing necessary. Protect fresh mix from traffic until the surface is strong enough to withstand loads without scarring.

Clean Up

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

Health and Safety

Make certain the most current versions of product data sheet and SDS are being used.



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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 (SDS) for further information.

Proposition 65

This product contains material listed by California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

0 lbs/gal or 0 g/L

Technical Data

Time of Setting	min. at 22°C (ASTM C266)	Initial Set: 20-30 Final Set: 35-45
Compressive Strength	2-in cubes (ASTM C109)	3 Hour – 21.8 MPa 1 Day – 51 MPa 7 Day – 62.1 MPa 28 Day – 70.0 MPa
Drying Shrinkage	(ASTM C157)	28 Day – -0.028% Avg of 4 beams
Fresh Concrete Properties	% Flow, per ASTM C 1437: 136+	Unit Weight: 141.3 lb/ft ³ (2263.4 kg/m ³)
Shear Bond Strength	3-in by 6-in Cylinders (ASTM C882)	3 Hour – 5.9 MPa 24 Hour – 9.3 MPa
Rapid Chloride Permeability	(ASTM C1202)	28 Day – 150 Coulombs
Flexural Strength	(ASTM C348)	1 Day – 9.3 MPa 28 Day – 11.7 MPa
Pull-off Strength	(ASTM C1583)	Overlay type: ReSurfacer bonded to PCC 3-Hour Strength (PSI) – 295 Failure Mode – Substrate Failure Mode – Epoxy



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Yield

- 1/8 – in (3.2mm) ~40 ft² (3.7m²)
- 1/4 – in (6.4mm) ~20 ft² (1.9m²)
- 1/2 – in (12.7mm) ~10 ft² (0.9m²)

Packaging

- 27 kg bag
- 907 kg bulk bag

Storage and shelf life

Store and transport in clean, dry conditions.

12 months properly stored.

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 and certified in the use of spray equipment and application of sol-gel materials. 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 product suitability 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.