



## FASTRAC RESURFACER

### FOR AIRPORT RUNWAY APPLICATIONS



- Opened for traffic in less than 3 hours
- Very low shrinkage
- No priming or curing necessary
- Clean with water immediately after use
- Low permeability and improved durability
- Excellent resistance to freeze/thaw
- Excellent workability
- Made in the USA




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, the mortar should be extended with 3/8-inch aggregate.



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## FASTRAC RESURFACER

### **DESCRIPTION**

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### **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/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

### **YIELD**

1/8 – in ~40 Sq. ft.  
1/4 – in ~20 Sq. ft.  
1/2 – in ~10 Sq. ft.

### **PACKAGING**

- 60 lb bag
- 2,000 lb bulk bag

### **SHELF LIFE**

12 mos. properly stored

### **STORAGE**

Store and transport in clean, dry conditions

### **APPLICATION TEMPERATURE RANGE**

40° F to 90° F (Hot weather placement procedures recommended above 90° F; Cold weather placement procedures recommended below 50° F)

### **TECHNICAL DATA**

**Time of Setting-** min. at 72° F (22° C) (ASTM C 266)  
Initial Set: 20-30  
Final Set: 35-45

**Compressive Strength-** 2-in cubes (ASTM C 349)  
3 Hour – 3,160 psi (21.8 MPa)  
1 Day - 7,400 psi (51 MPa)  
7 Day - 9,000 psi (62.1 MPa)  
28 Day - 10,150 psi (70.0 MPa)

**Drying Shrinkage-** (ASTM C 157)  
28 Day - -0.028% Avg of 4 beams

**Pull-off Strength-** (ASTM C1583)

Overlay type	3-Hour Strength (PSI)	Failure Mode	28-Day Strength (PSI)	Failure Mode
ReSurfacer bonded to PCC	295	Substrate		Epoxy

### **Fresh Concrete Properties**

% Flow, per ASTM C 1437: 136+  
Unit Weight: 141.3 lb/ft<sup>3</sup> (2263.4 kg/m<sup>3</sup>)

**Shear Bond Strength-** 3-in by 6-in Cylinders (ASTM C 882)  
3 Hour - 850 PSI (5.9 MPa)  
24 Hour - 1,350 PSI (9.3 MPa)

**Rapid Chloride Permeability** (ASTM C 1202)  
28 Day – 150 Charge passed (Coulombs)

**Flexural Strength-** (ASTM C 348)  
1 Day – 1,350 PSI (9.3 MPa)  
28 Day – 1,700 PSI (11.7 MPa)

### **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

## FASTRAC RESURFACER

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### 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 60-pound bags, begin by placing approximately 2.5 quarts 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 0.5 quart 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.

### 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

### Limited Warranty Notice

Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac ReSurfacer" product and in the information, which we issue concerning these products and their use. We warrant our products to be good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only on quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Western Material and Design, LLC makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Western Material and Design, LLC shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Western Material and Design, LLC technical manager.



## FASTRAC POLYMER

### **DESCRIPTION**

FasTrac Polymer is used mainly for modifying concrete mixtures for highway, airport, bridge deck, and parking garage overlays, resurfacing, and patching. The addition of FasTrac Polymer to cementitious product results in a cured concrete with higher compressive strength, higher bond strength, higher flexural strength, and less permeability.

### **WHERE TO USE**

- Highway and airport
- Bridge and parking decks

### **FEATURES / BENIFITS**

- Low odor, VOC compliant, environmentally fridendly formula
- Non-flammable
- Superior bond to various substrate, less permeable, higher strength
- Non-re-emulsifiable
- Suitable for wet-environments
- Suitable for interior or exterior applications
- Improve freeze-thaw resistance of treated mortars

### **PACKAGING**

- 1 gal / 3.8 L unit
- 5 gal / 18.9 L unit
- 55 gal / 208 L unit
- 250 gal / 950 L unit

### **TECHNICAL DATA**

Shelf Life:	12 months in original unopened container.
Storage Conditions:	40°F – 95°F (5°C – 35°C).
Condition material to:	65°F – 85°F (18°C – 29°C) before using.
Flash Point	>200°F (93°C)
Freezing Point	32°F (0°C)
Flammability	None
VOC	< 50 g/L
Open to traffic	1-3 hours

### **APPLICATION**

Stir thoroughly in original container before applying. Do not thin or dilute.

### **CLEAN UP AND HANDLING PRECAUTIONS**

Refer to FasTrac Safety Data Sheet

### **LIMITED WARRANTY NOTICE**

Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac Polymer" product and in the information, which we issue concerning these products and their use. We warrant our products to be good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only on quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Western Material and Design, LLC makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Western Material and Design, LLC shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Western Material and Design, LLC technical manager.