



# L&M

Construction Chemicals

# FASTRAK™

DS-175.1-1214

A product brand of LATICRETE International, Inc.



## 1. PRODUCT NAME

FASTRAK™

## 2. MANUFACTURER

LATICRETE International, Inc.

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Toll Free: 1.800.243.4788, ext. 235

Fax: +1.203.393.1684

Website: [www.lmcc.com](http://www.lmcc.com)

## 3. PRODUCT DESCRIPTION

FASTRAK is a high strength, rapid setting, cement-based concrete and masonry patching compound. FASTRAK non-shrink, single component mortar offers high strength, sulfate resistance and is stable at elevated temperatures and under wet conditions. After initial set, FASTRAK may be shaved or shaped to conform to surrounding surface contour. FASTRAK has been engineered to withstand the same environmental conditions as high strength concrete.

### Uses

The non-shrink, non-staining, and high strength features of FASTRAK are in demand by the industry. The workability, wear resistance and strength of FASTRAK make it ideal for repairing old and new concrete in areas that require a very durable repair material, such as sidewalks, curb restoration, traffic areas, bridges, concrete pipe and pre-stress and pre-cast concrete. This product has been found to be very useful in underground sewer and water applications such as splicing or repairing concrete pipe sections and diverting water by trenching.

### Advantages

- Permanent Repair
- Fast Curing
- Able to be trimmed to final elevation and shape
- High Abrasion Resistance
- Rapid Strength Gain
- Excellent Bond
- Can be used in horizontal and vertical applications above and below grade

### Suitable Substrates

- Existing Concrete
- Concrete Masonry

### Packaging

50 lb (22.7 kg) bag

### Approximate Coverage/Yield

One bag yields approximately 0.4 ft<sup>3</sup> (0.01 m<sup>3</sup>) or 10 ft<sup>2</sup> at 1/2" (0.9 m<sup>2</sup> at 12 mm) thick. An 80% extension using 3/8" (10 mm) aggregate increases the per bag yield to approximately 0.7 ft<sup>3</sup> (0.02 m<sup>3</sup>).

### Shelf Life

FASTRAK bags are to be kept in dry storage to prevent water contamination. Shelf life is 6 months in unopened bags when properly stored.

### Limitations

- Do not add cement accelerators or anti-freeze to FASTRAK
- Do not retemper
- Do not add sand or fine aggregate
- Not recommended for featheredge applications
- Minimum application depth is 1/4" (6 mm)

### Cautions

- Consult SDS for more safety information
- Protect finished work from traffic until fully cured.
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

## 4. TECHNICAL DATA

### Applicable Standard & Test Methods

ASTM C928  
ASTM C109  
ASTM C78  
ASTM C191  
ASTM C882

### Physical Properties

Property	Observed
Working Time	5 min
Initial Set Time ASTM C191	7 min
Compressive Strength ASTM C109	1 day: 2200-3000 psi (15.2-20.7 Mpa) 7 days: 4800-5300 psi (33.1-36.5 Mpa) 28 days: 5600-6200 psi (38.6-42.7 Mpa)
Flexural Strength ASTM C348	28 days: 840-1000 psi (5.8-6.9 Mpa)
Bond Strength ASTM C882	28 days: 2000 (13 Mpa)

### Working Properties

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

## 5. INSTALLATION

**Surface Preparation:** Prepare surface in accordance with ICRI Technical Guidelines. Abrade smooth surfaces to 1/8"-1/4" (3-6 mm) (Ref: CSP 5, ICRI 03732) to assure bond. Remove all unsound concrete not bonded to the rebar down to 3/4" (19 mm) below the rebar. Remove rust and scale from the rebar. Flush with water to remove all dust. Soak surfaces with water prior to placement.

**Mixing:** Have proper measuring containers, tools and adequate labor to place the patch. For best results, use a gas operated, paddle type mortar mixer or a continuous type mixer. For small batches, use a 1/2" slow speed drill fitted with a mixing paddle. Locate the mixer close to the repair area. Pour clean water into mixer. Use 3-3.5 qts (2.8-3.3 L) of water per bag depending on consistency desired. Add powdered FASTRAK, mix no more than one minute, until uniform in consistency. Place immediately. For faster set times, use less water.

**Deep Pours:** For applications more than 2" (50 mm) deep, extend up to 80% by weight of the powder with 3/8" (10 mm) hard, rounded aggregate. Add water and saturated, surface dry aggregate, then add powdered FASTRAK™ to water. Mix for one minute.

**Placing:** In prepared area, immediately place from one side to the other. Work firmly into bottom and sides of void to remove air and assure proper bond. Slightly overfill the patch, and following initial set shave or shape the FASTRAK to fit the elevation of existing concrete. Fill the edges and saw cuts with light troweling.

**Cold weather:** Cold temperatures extend work time and setting. For best results in conditions below 35°F (2°C), heat the concrete substrate, water and FASTRAK bags. Do not use accelerators or anti-freeze.

**Hot weather:** In conditions over 85°F (29°C) use cold water and keep patch cool to extend working time.

**Curing:** Proper curing of FASTRAK will improve long term performance and minimize shrinkage and cracking. Protect from moisture loss, high winds, heat of the sun and extremes in temperatures that could cause rapid drying.

## 6. AVAILABILITY AND COST

### Availability

L&M™ and LATICRETE® materials are available worldwide.

### For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

[www.lmcc.com](http://www.lmcc.com).

### Cost

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE® Product Warranty

## 8. MAINTENANCE

Non-finish LATICRETE and LATAPOXY® installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

### Technical and Safety Literature

To acquire technical and safety literature, please visit our website at [www.laticrete.com](http://www.laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [www.laticrete.com](http://www.laticrete.com). The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

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