



5.06 FAST STONE 140

1/4" Trowel Applied Epoxy Topping

PRODUCT DESCRIPTION

FAST Stone 140 is a three component, trowel applied epoxy topping consisting of a two part, 100% solids epoxy and a precisely blended aggregate. It is normally installed at 0.25 inch (5mm/0.64 cm) depth.

USES

Resurfacing of floors subject to high impact or heavy abrasion such as heavy traffic aisle ways in industrial production or high volume warehouse facilities

ADVANTAGES

- Exceptional compressive, tensile and flexural strengths
- Superior durability, abrasion and impact resistance
- Good to moderate chemical resistance; may be top coated with chemical resistant urethane for improved chemical resistance
- Continuous control of the growth of bacteria, molds, fungi and yeasts
- Disrupts growth of broad spectrum of micro-organisms
- Available in a variety of colors

TECHNICAL DATA

- V.O.C. Content: 0 gm/L USDA approved for incidental contact in federally inspected meat and poultry plants.
- Compressive Strength ASTM D 695 Psi MPa
- 1 day 8,500 58.60 7 day >10,000 68.95
- Tensile Strength ASTM C-307 7 day 1,800 12.41
- Flexural Strength ASTM C-348 7 day 3,100 21.37
- Thermal Shock Resistance 6 cycles 40°-160°F 4.4°-71°C
- Drying Time @ 72°F (22°C) with 50% R/H
- Foot traffic 12 hours
- Light traffic 24 hours
- Wheeled traffic 48 hours

INTEGRAL MICROBE DISRUPTER OPTIONAL

Disrupts: Gram Negative/Gram Positive, E. coli, Staph, aureus, Salmonella, yeasts, mold, fungi and bacteria and others.

Controls: Odors, Staining Registered with EPA and FDA as nontoxic to humans or animals, environmentally acceptable.

SUGGESTED SYSTEM COMPONENTS

Primer: FAST 100, epoxy primer for excellent adhesion to concrete substrate

Topping: FAST Stone 140, trowel applied epoxy topping

Fill Coat: FAST Paste Epoxy to fill and smooth surface

Optional Topcoat: FAST Hi-Tech Epoxy Resistant to enhanced chemical and UV resistance.

DIRECTIONS

Surface Preparation: This is the most critical step in any coating application. All concrete must be at least 28 days old, cleaned of all foreign material and mechanically profiled. For optimum results, a paddle type mortar mixer is recommended. FAST Stone 140 is a stiff, heavy mixture and cannot be adequately blended by hand or mechanical drill alone. A plasterer's trowel, wooden screed and a steel finish trowel will be required to produce the best finish. **PRIMING:** To ensure maximum adhesion, prime clean, prepared substrate with FAST 100. See FAST 100 technical data sheet for full instructions on mixing and application. Apply FAST Stone 140 while primer coat is tacky.

Mixing: A standard unit of FAST Stone 140 consists of: Part A Resin 2.4 gallons 9 L Part B Hardener 0.8 gallons 3 L Part C Aggregate 200 pounds 90 Kg Parts A and B are packaged in metal pails. Part C in four 50 lb (22.4 Kg) bags.

When mixing less than a full unit, it is critical to maintain a volume ratio of 3:1, Part A to Part B. Pre-mix Part A and Part B together for a minimum of two minutes using a low speed,



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high RPM drill equipped with a jiffiler type mixing prop. Pour blended epoxy into a mortar mixer and gradually add the Part C aggregate. Mix the three components for an additional two minutes. Discharge mixed mortar into a clean wheelbarrow or power buggy and transport immediately to area to be applied. Place mortar directly onto primed area and spread to 0.25 inch (0.64cm) depth with either a plasterer's trowel or wood screed. Use a steel trowel for final finishing, closing and smoothing operation. FILL COAT: Allow FAST Stone 140 to dry tack free, normally 6-8 hours, before application of FAST 120 as fill coat. Exact coverage rate of FAST 120 is based upon final texture desired on the floor. Optional Topcoat: For greater chemical and UV resistance, apply FAST 310 CRU after fill coat of FAST 120 has reached tack free stage, usually within 8-10 hours. See individual technical data sheets for mixing and application directions.

CHEMICAL RESISTANT

FastChem Stone140 is resistant to: alkalis, solvents, acids, salt solutions, water, fats and oils, halogens (moist), oxidizing agents and fuels (see corrosion chart supplies).

CLEANUP

Before system components dry and set, clean tools and equipment with xylene or xylol.

LIMITATIONS

- Do not thin FAST Stone 140 with either solvents or water. Solvents prevent proper cure.
- Do not apply in the presence of foodstuffs. USDA approval pertains to fully cured material only.
- FAST Stone 140 is not formulated for immersion or primary containment of highly aggressive chemicals. Consult

FastChem for alternate product recommendations.

Do not apply if the substrate temperature is below 50°F (10°C).

- Avoid applying any polymer coating in direct sunlight during times of extreme heat.

This can cause wrinkling, pinholes and blistering. Application should be scheduled for early morning or late afternoon when ambient and substrate temperatures are at their lowest.

- Disperse mixed material rapidly. If product is left in mixing container in a large mass, the working time is drastically reduced.

STORAGE

Store tightly sealed containers in cool, dry place out of direct sunlight or heat. Minimum shelf life of 1 year when stored between 50°F (10°C) and 75°F (23.8°C).

CAUTIONS

Corrosive liquid: Epoxies are corrosive and cause skin irritation, sensitization or chemical burns. They are irritant to the respiratory tract. Use with adequate ventilation. Do not take internally. Keep out of reach of children.

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein 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, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose.

FastChem Technologies (Pvt) Ltd. Pakistan

Head Office Lahore:

20-A. Commercial Area Pak Arab Housing
Society Lahore.

Tel: 92(42)35803536 Mob: +92-322-4321261



المكتب للشرق الاوسط

٤٠٤، سوق، البحر، برج الخليفة،

دبي، متحده عرب الامارت،

رقم البريد: ٤٨٧١٧٧

Website: www.fastchemtechnologies.com, Email: info@fastchemtechnologies.com