



5.05 FAST EPOXY 100 COLOR

Solvent Based Two Parts Epoxy Coatings

PRODUCT DESCRIPTION

A two-component epoxy 100 color coating for use on concrete, wood or metal. It is particularly well suited for interior use on concrete floors subjected to heavy traffic, and/or harsh chemical or corrosive attack. The blended materials form a tough, high strength coating resistant to abrasion from heavy traffic, and is unaffected by rubber burns. The resin serves as an adhesive within the slab to further strengthen concrete floors, particularly around minor cracks, crevices and weak spots. On concrete, the adhesion of the coating forms an inseparable bond, which is chip and peel resistant. The high gloss finish is smooth, durable, and easy to clean, aiding in reducing maintenance costs.

INSTALLATIONS

Concrete Surfaces: Floors industrial warehousing, paper mills, automotive garages, canneries, packing plants, aircraft hangars, wastewater treatment facilities, farm buildings, and concrete block walls.

COMPOSITION AND MATERIALS

Part A: A solution of epoxies and pigments in an aromatic solvent system.

Part B: A blend of polyamide and amine hardener in an aromatic solvent system.

LIMITATIONS

Concrete must be a minimum of 28 days old to allow all moisture within the slab to dissipate. Application can be made sooner, check with manufacturer for the proper conditions to be met. Moisture content should be checked if questionable. Do not

apply in temperatures less than 60°F. Do not apply in damp, wet weather. These temperatures are vital to the drying and curing time. Floors laid over frozen soil during the late fall, or winter months, should not be coated until the following spring after the soil has thawed completely. Drying time and cure are dependent upon the temperature—the higher the temperature, the less time required. Pot-life of the blended coating is also affected by the temperatures; the higher the temperature, the shorter the pot-life. Use care in the application of the coating, tracking, slops and spills are very difficult to remove once the coating has dried.

TECHNICAL DATA

Chemical Resistance - FAST Epoxy 100 Color Coating is resistant to alkalis, solvents, acids, salt solutions, water, fats and oils, halogens (moist), oxidizing agents and fuels (see corrosion chart supplies).

- VOC Content: <400 g/l (mixed)
- VOC Compliant
- A.I.M. Floor Coatings

A.I.M. Definition: An opaque coating with a high degree of abrasion resistance that is formulated and recommended for application to flooring including, but not limited to, decks, porches, and steps in a residential setting.

PHYSICAL PROPERTIES

- Pot-life: 4-6 hours at 60°F.
- Flash point: 60°F (TCC).
- Cure time: varies with temperature.
- Toxicity: none after drying.
- Not conductive to electrical conductivity.



- Will not support fungal or bacterial growth.
- Flammable.

APPLICABLE STANDARDS

Recommended for use on Class 1, 2, 3 and 4 concrete floors as classified in table 1.1, ACI Standard 302-69. FAST Epoxy Color Coating is authorized for use by USDA. (Letter available upon request)

APPLICATION PROCEDURES AND INSTRUCTIONS

Application procedures must be followed precisely. Exact measurement and blending are imperative. Before mixing, collect all materials, tools, and/ or equipment needed. Two coats are recommended for all uses. Apply with brush, roller or sprayer.

SURFACE PREPARATION

Concrete Surfaces: Must be clean, dry, and free of grease, wax, oils, loose paint, wax or resin base sealing compounds. While mechanical abrasion or shot blasting is the preferred method of preparation, acid etching followed by repeated thorough rinsing may also be used on smaller areas. Follow the instructions according to the manufacturer. Fresh Concrete should be cured with FASTCURE W&W2 (a dissipating curing compound) or water cure. On older concrete surfaces, repair holes, spelling areas, cracks, or weakened areas with FAST Complete Concrete Patch.

Note 1. Substrate must be absolutely DRY, free of all moisture. To test for complete dryness, place a rubber mat, or tape a piece of plastic onto the surface; let stand for at least 12 hours. If moisture forms on the underside,

ventilate the area, and retest until no moisture collects under the mat or plastic.

Note 2. To test for dust, wipe floor with a dark colored cloth or dust mop. Vacuum if dust is noticeable on the cloth or mop.

BLENDING

- Stir Part A and Part B separately before mixing together.
- Mix complete parts of A and B by volume (not weight), stir well; let stand for 5 minutes; stir again before using. A large metal 2-3 gallon container is an excellent mixing container for large projects.

COVERAGE RATES: (SFT/KG)

- Smooth troweled surface: 10m²/2.5kg pack.
(30-40 sft/kg)
- Rough finish surface: 25-35sft/kg.
- There are 100 micron in wet film thickness and 90 micron in dry film thickness per two coats.
- For slip resistant silica used and also reduce the coverage rates.

APPLICATION

Apply with a brush or roller; spread uniformly, re-roll puddles or sparsely covered areas. Sprayer application should be attempted by professional applicators only. Use conventional or airless sprayer equipped with neoprene gaskets and hose assembly. . Use normal paint spray techniques. A non-skid finish may be achieved by mixing one container FAST-Tri Grip into one five gallon mixed unit of FAST Epoxy Color System.



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The Fast Chemistry for Construction

Back roll to evenly spread the broadcast sand, apply second coat within 24 hours. Prevent lap marks by maintaining a wet edge, using natural break points as stopping areas, and keeping plenty of paint in the roller (particularly when lapping previous work). It is also advisable to “cross hatch the second or additional coats (apply at 90° angle to the previous coat) to avoid lap marks and thick/thin spots.

DRYING TIME

The first coat will dry to touch in 2-3 hours at 60°F. The second coat should be applied as soon as the first coat is tack free and does not mar under foot pressure. Surface will be dry to foot traffic in 6 to 8 hours, heavy traffic Within 36 hours. Final cure (completely resistant to chemical attack) requires approximately one week. Auxiliary heat can be used to aid drying time.

CLEAN UP

Use FAST-103Solvent for cleanup of tools, brushes, etc. Spills can be removed with this solvent if it is done before the product cures.

PRECAUTIONS

FAST Epoxy 100 Color contains ketones and aromatic solvents and is shipped under red label. **KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.** Close container after each use. Do not transfer to unmarked containers or weld or cut on or near container. Avoid prolonged breathing of vapor or spray mist (can cause dizziness); avoid contact with skin and eyes (can cause irritation). Eye goggles should be worn to protect eyes and neoprene gloves should be used to protect skin. **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. Satisfactory results depend upon many factors beyond FastChem's control. User shall rely on his or her 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 his or her direct use, indirect use or consequential to their use of the product. FastChem shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. FastChem's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

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