

**FC SERIES
100% SOLID EPOXY
FLOOR SYSTEMS**

A high performance finish with excellent durability.

GENERAL FEATURES

- SELF LEVELING
- HIGH GLOSS
- 100% SOLIDS
- LOW ODOR
- CAN BE TOP COATED WITH CLEAR ABRASION RESISTANT TOP COAT OR ACRYLIC POLYURETHANE
- LOW RISK OF FLAMMABILITY
- RESISTANT TO SKYDROL

DESCRIPTION

American FC Series Epoxy Floor Systems are two component self-leveling epoxy coatings designed for high traffic interior floors. The resulting finish exhibits a high gloss while offering years of trouble-free durability.

USES

American FC Series Epoxy Floor Systems may be used in industrial plants, locker rooms, classrooms, clinics, garages, airport hangars, commercial kitchens or just about anywhere a durable low maintenance flooring is desired. The product package includes a penetrating primer, color coats, abrasion resistant clear topcoat, colored aggregates, and non-slip aggregates. The products can also be blended with silica sand and used for patching and smoothing of rough concrete. Following the directions for proper surface preparation and coating application will render an attractive finish that offers years of durability.

NOTE: A VAPOR BARRIER BELOW THE FLOOR MUST BE PRESENT. See your American Coatings representative for verification if necessary.

PHYSICAL DATA

Finish ----- Gloss
Color ----- Various
Applied Over ----- Properly, prepared,
and cured concrete, grating, or steel.
Components ----- Two
Cure ----- Catalytic 2:1 w/FC Cat

Volume Solids ----- 100%

Recommended Dry Film Thickness ----- **15 – 20 mils**

Primer (FP8001) ----- 5 mils

Finish (color) ----- 5 – 10 mils

Topcoat (FC8999) ----- 5 mils

Number of Coats ----- Two or Three

Application Method ----- Brush, Roll, or Squeegee

Thinning Required----- None

Dry Time @ 77°F and 50% RH:

Touch ----- 6 – 8 hours

Through ----- 24 – 36 hours

Recoat ----- 12 – 24 hours

Theoretical Coverage at: Recommended Thickness¹

Primer ----- 320 sq. ft/gal @ 5 mils per coat

Finish ----- 107 – 160 sq. ft/gal @ 10 – 15 mils per coat

Temperature Limit

Immersed ----- N/R

Atmospheric ----- 250°F

Miscellaneous Properties

Shelf Life ----- 1 Year

Pot Life – Mixed @ 77°F----- 45 minutes

¹ Coverage's are theoretical and do not make provision for losses.

PRODUCTS

FP 8001 Concrete Penetrating Primer

FC 8390 Tile Red *FC 8444 Safety Yellow

FC 8403 Light Gray G-3 *FC 8422 Terra Cotta

FC 8406 Medium Gray G-6 *FC 8497 Tan

FC 8999 Clear Anti Abrasion Topcoat

Aggregates (color and non slip)

*Made to Order Products require a minimum order

FC Series

APPLICATION INFORMATION

SURFACE PREPARATION

New concrete surfaces should be allowed to cure for 28 days at 70° F or above. Shot Blast or Blast Trac the floor for maximum coating adhesion. Buff and sweep up any loose dust. If blasting is not feasible the surface may be prepared by chemically cleaning. First clean the concrete surface with TH100 Cleaner / Degreaser per instructions to remove any oil, grease or other surface contaminants. Rinse thoroughly with water. Next, acid etch with an application of TH950 Chemical Cleaner. Allow the acid to react for 30-45 minutes on the concrete surface, then remove with a fresh water wash. Old concrete should be prepared in the same fashion but it is recommended that a test patch be prepared to ensure proper penetration and coating compatibility. Hairline cracks can be repaired if desired using American Coatings CL8 or CL10 Epoxy Adhesives. See separate data sheet.

MIXING

Part A should be carefully power mixed so as to minimize air entrapment. When uniform, add Part B and mix thoroughly. Mixing ratio by volume is 2 Parts A to 1 Part B. Once the product has been thoroughly catalyzed, it has a limited pot life of 45 minutes at 77° F and less at elevated temperatures. Do not mix more than can be used within the parameters of the pot life.

DISCLAIMER

The facts stated and the recommendations and suggestions herein are based upon experiments and supplier information believed to be reliable. No guarantee is made of their accuracy, however, and American Coatings ASSUMES NO LIABILITY FOR PRODUCT FAILURE OTHER THAN TO SUPPLY REPLACEMENT MATERIAL FOR PRODUCTS SHOWN TO BE DEFECTIVE WHEN DELIVERED OR TO REFUND THE PURCHASE PRICE. Except as stated, THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. AMERICAN COATINGS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES. No statement contained herein shall be construed as an inducement to infringe existing patents or as an endorsement of specific manufacturers

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