



Technical Data Sheet 150FC% Solids Epoxy

Product Description

One Stop Epoxy 150FC is a 100% Solids rapid curing premium quality, self-leveling, two-component high-gloss floor coating formulated to cure in 90 minutes at 75 degrees when used as a base for a full broadcast floor and approximately 4 hours when used as a basecoat for epoxy. It has a working time of 25 minutes at 75 degrees and is ideally suited for full broadcast flake floors, sand broadcast epoxy floors, and as a base coat for any fast return to service 100% solids epoxy floor. Typical applications include Retail and Commercial Flooring, High Traffic Warehouses, Kitchen and Restaurant, and Garage and Showroom Floors.

It is readily available in a 3 gallon kits consisting of 2 components. 2 Parts A “Base” and 1 Part B “Activator” making this a 2 – 1 mix ratio product. This product can be ordered in 15 gallon kits upon request.

Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol. Fast Dry 100% Solids Epoxy is self-priming

Mixing

(DO NOT MIX BASE AND ACTIVATOR BEFORE READING THIS SECTION IN IT’S ENTIRETY)

Step 1

Add your pigments to the **BASE ONLY** and blend thoroughly for 1 minute.

Step 2

Full kits of epoxy should be mixed with a [Cage Mixer](#). Plastic [paddle mixers](#) are suitable for mixing partial kits of epoxy but not 3 gallon kits. They simply do not move enough volume in the allotted time to mix properly.

All One Stop Epoxy brand epoxies come in [3 gallon short fill buckets](#). When mixing a full bucket pour your Part B directly into the center of the Part A bucket and mix for 2 minutes with a mechanical mixer. Avoid getting the Part B “activator” on the side of your Part A “Resin” Bucket. Doing so may leave you with soft spots on the floor that will never cure.

Application

For application, it is essential to **GET THE MATERIAL OUT OF THE BUCKET AND ONTO THE FLOOR FAST!** Pour the mixed material on the floor in 12” ribbons while wearing spiked shoes. Spread with a 1/8th or

3/16th inch notched squeegee then roll and backroll with a lint-free 3/16" epoxy roller to attain even coverage.

Coverage

One Stop Epoxy 150 FC covers approximately:

Primer on Porous Concrete: 150-200 SFPG

Commercial and Industrial applications: 100 -135 SFPG

Pigmented receiver coat for vinyl chips: 133-150 SFPG

Metallic Floors base coat 135 – 150 SFPG: 55-65

Dry Time and Recoat

Under a full flake broadcast – Will dry in 2 hours at 75 degrees and as little as 75 minutes in 90 + degree temps

As a basecoat to One Stop epoxy 100% Solids Epoxy or Metallic Dream Epoxy – 4 hours at 75 degrees

Recoat time is 4-24 hours

Heavy Foot Traffic 48 hours

Vehicular traffic 72 hours (3 days)

Before applying additional coats or finish coats, lightly sand the surface and wipe it down with denatured alcohol or acetone.

Approved Topcoats:

One Stop Epoxy 150 FC is approved for use with Metallic Dream Epoxy, One Stop Epoxy Urethane -WB and PolyGloss 85 topcoats, or One Stop 100% Solids Epoxy.

Physical Properties:

Viscosity Mixed	Brookfield	900 cps
Shore-D	Hardness ASTM D2240	89-91
Compressive Strength	ASTM D695	16,500 psi
Adhesion to Concrete	ASTMD 4541	600psi
Tensile	ASTM D638	3550 psi
Flexural Modulus	ASTM D790	4700 psi
Koenig Hardness	ASTM D4366	145
Tabor Abrasion	ASTM D4060	22 mgs lost
Coefficient of Friction	ASTM 2047	< .60
VOC	< less than 50 grams/liter	
Moisture Vapor Barrier	12 lbs	

Chemical Resistance

Acetic Acid	Y
Acetone	N
Ammonia 30%	Y
Anti-Freeze	Y
Animal Urine	Y
Brake Fluid	Y
Chlorine	Y
Chromic Acid 10%	Y
Gasoline	Y
Hydraulic Fluid	N
Hydrochloric Acid 35%	N
Hydrofluoric Acid	N
Hydrogen Peroxide	Stain
Methyl Ethyl Ketone	N
Methanol	N
Methyl Chloride	N
Mineral Spirits	Stain
Motor Oil	Y
Mustard	Stain
Nitric Acid	N
Orange Juice	Y
Phosphoric Acid	Y
Skydrol	Stain
Sodium Hydroxide (Caustic)	Y
Sodium Hypochlorite (Bleach)	Y
Sulfuric Acid 10% (Battery Acid)	Y
Windshield Wiper Fluid	Y

Handling, Storage, Disposal & Clean-up:

May irritate eyes wear gloves

Store in clean dry area do not freeze

Dispose in accordance with all state local and federal laws

Clean-up tools and equipment with xylene

Regulatory

Less than 50 grams/liter

Meets all VOC categories in US and Canada

Contributes to Leed

Warranty: Material only if proven defective, no labor

One Stop Epoxy

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