



Technical Data Sheet 100% Solids Epoxy

Product Description

One Stop Epoxy 100% Solids is a premium quality, self-leveling, two-component high-gloss floor coating that provides a durable, seamless finish. It has a working time of 30 minutes and is ideally suited for 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, and wipe with Denatured alcohol to remove ALL dust. 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

More porous concrete may require a primer to seal the pores prior to application to prevent bubbling, floors testing with more than 3.0 lbs of moisture resistance may require a moisture vapor barrier. Sanding between coats is always recommended.

For application, it is essential to **GET THE MATERIAL OUT OF THE BUCKET AND ONTO THE FLOOR**. 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 Approximate Coverage:

Pigmented receiver coat for vinyl chips:	133 - 150 SFPG
Primer on Porous Concrete:	150 - 200 SFPG
Commercial and Industrial applications:	100 - 135 SFPG
Metallic Floors base coat	135 – 150 SFPG:

Dry Time and Recoat

Tack-free and light foot traffic dry time at 75 degrees is 8-10 hours

Recoat time is 12-24 hours

Heavy Foot Traffic 48 hours

Vehicular traffic 72 hours (3 days)

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

Approved Topcoats:

One Stop Epoxy 100% Solids is approved for use with One Stop Epoxy Urethane -WB and PolyGloss 85 topcoats.

Exterior Applications:

Do not install a finished coat for exterior application. Product will amber in the sun.

Physical Properties:

Viscosity Mixed	Brookfield	500-750 cps
Shore-D	Hardness ASTM D2240	89-91
Compressive Strength	ASTM D695	16,500 psi
Adhesion to Concrete	ASTMD 4541	600psi
Tensile	ASTM D638	3850 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	

Chemical Resistance

ASTM D-1308

Acetic Acid	Y	Chromic Acid 10%	Y
Acetone	N	Gasoline	Y
Ammonia 30%	Y	Hydraulic Fluid	N
Anti-Freeze	Y	Hydrochloric Acid 35%	N
Animal Urine	Y	Hydrofluoric Acid	N
Brake Fluid	Y	Hydrogen Peroxide	Stain
Chlorine	Y	Methyl Ethyl Ketone	N

Methanol	N	Phosphoric Acid	Y
Methyl Chloride	N	Silver Nitrate	Y
Mineral Spirits	Stain	Skydrol Stain	N
Motor Oil	Y	Sodium Hydroxide (Caustic)	Y
Mustard	Stain	Sodium Hypochlorite (Bleach)	Y
Nitric Acid	N	Sulfuric Acid 10% (Battery Acid)	Y
Orange Juice	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 Denatured Alcohol, Xylene, or Acetone

Regulatory

Less than 50 grams/liter
 Meets all VOC categories in US and Canada
 Contributes to Lead

Warranty: MATERIAL ONLY IF PROVEN DEFECTIVE, NO LABOR – SEE BELOW

One Stop Epoxy

6422 Milner Boulevard, suite 101, Orlando, FL. 32809 USA
 (407)352-7653
<https://onestopepoxy.com/>

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