



COATINGS SOLUTIONS

HIGH PERFORMANCE

Technical Data Sheet

3150 Couty Line Rd STE 4
Lakeland, FL 33811

www.coatingsoln.com - Office: 863-450-2192 - E-mail: info@coatingsoln.com

Water-Based Epoxy Floor Coating

Description:

Water-Based Epoxy is a self-priming two component Type 1 liquid epoxy floor coating system.
Three parts resin to One-part epoxy hardener.

Available in Tint bases and Premixed Colors

Typical Applications:

Retail and Commercial Flooring
Garage and Showroom Floors
High-Traffic Interior Applications

Approved Topcoats:

Solvent or Water-Based Urethane and 100 solids Epoxy.
Also approved for wood, concrete and laminate counter tops

Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol.

Mixing:

Three parts A to 1-part B by volume.
Mixing full kits Add premeasured Part B to Part A Mix for 2 minutes with mechanical mixing. Wearing spike shoes immediately pour mixed material on the floor and spread using a flat squeegee or for smaller projects can be dipped and rolled using 3/8" epoxy roller.

Metallic Applications:

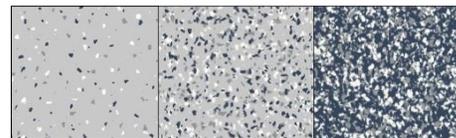
Excellent primer for metallic applications. Premixed black primer kits available.

Coverage:

1 gallon will cover approximately
Primer on Porous Concrete 200-250 sq.ft./gal.
Pigmented receiver coat for vinyl chips 200-250 sq.ft./gal
Clear Finish Coat 250-300 sq.ft./gal.
Best if applied at temperatures between 55-90 degrees Fahrenheit.

Broadcasting Vinyl Chips:

Apply pigmented epoxy basecoat at 200 sq.ft. per gallon
Vinyl flake on 250 sq.ft.



Light 1lb. Heavy 4lbs. Full 25lbs.

After epoxy is spread and back rolled divide chips in equal portions then throw vinyl chips upwards let them drop in the wet epoxy. Let cure 24hrs. Then scrap and vacuum up loose flakes. After scrapping and vacuuming several times. Apply coat of Tru-Alpha Polyaspartic Clear or using a magic trowel pull seal coat across the flake at 180 sq. ft per gallon. Tru-Alpha Water-Based Urethane also excellent choice for low odor applications.

Dry-time & Recoat:

Tack free/foot traffic: 12 hrs. Recoat 24 hrs.
Heavy foot traffic 48 hrs. Vehicular Traffic 3 days.
Lightly sand the surface and wipe down with denatured alcohol or acetone before applying additional coats or finish coats.



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Exterior Applications:

Unless installed as a primer with pigmented Urethane Topcoats. Not recommended as clear epoxy will amber.

Physical Properties:

Viscosity Mixed	Brookfield	90-93 ku
Adhesion to Concrete	ASTMD 4541	600psi
Koenig Hardness	ASTM D4366	115
Tabor Abrasion	ASTM D4060	32 mgs lost
Coefficient of Friction	ASTM 2047	< .60
VOC	< less than 250 grams/liter	

Chemical Resistance ASTM D-1308

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
Silver Nitrate	Y
Skydrol	Stain
Sodium Hydroxide (Caustic)	Y
Sodium Hypochlorite (Bleach)	Y
Sulfuric Acid 10% (Battery Acid)	Y
Windshield Wiper Fluid	Y

Available Kit Sizes:

1 gallon, 4 gallon and 20 gal kits

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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 water

Regulatory

Less than 250 grams/liter

Meets all VOC categories in US / except SCAQMD

Contributes to Lead

Warranty:

Material only if proven defective, no labor



Primed with Water-Based Black Type 1 Liquid Epoxy Primer