



Technical Data Sheet

3950 Steve Reynolds Blvd
Norcross, GA 30093

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SURFACE PRO 100% SOLIDS EPOXY

Description:

Surface Pro 100% Solids Epoxy is a self-leveling two component high gloss floor coating. Two parts epoxy resin to One-part epoxy hardener.

Typical Applications:

Retail and Commercial Flooring

Garage and Showroom Floors

High-Traffic Interior Applications

Approved Topcoats:

Surface Pro Polyurethane and Polyaspartic. Also approved for wood and laminate counter tops.

Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol. Apply Epoxy-Silane Moisture Mitigating Epoxy at spread rate of 150-180 sq. ft. per gallon. (See product label for further instruction.) Allow 12 hours to dry.

Mixing:

Add Part B to Part A Mix for 2 minutes with mechanical mixing. Wearing spike shoes immediately pour mixed material on the floor.

Metallic Pigments:

While mixing add one metallic pigment to one gallon of Surface Pro 100% Epoxy Resin. Mix at low speed or two minutes. For best results let this mixture sit so powder can fully wet out. Then add Epoxy Hardener mix for additional 2 minutes. continually sweeping sides and bottom of container.

Application:

Pour mixed material on the floor in 12" ribbons. While wearing spiked shoes back roll with lint-free 3/16" epoxy roller. If Metallic application, do not back roll move material using magic trowel. Add second color or spritz alcohol for moon-rock effects.

Coverage:

1 gallon will cover approximately

Primer on Porous Concrete 150-200 sq.ft./gal.

Pigmented receiver coat for vinyl chips 160-180 sq.ft./gal

Metallic Floors 55-65 sq.ft./gal

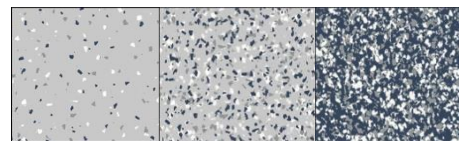
Clear Finish Coat on flake floors 150-180 sq.ft./gal.

Best if applied at temperatures between
55-90 degrees Fahrenheit.

Broadcasting Vinyl Chips:

Apply pigmented epoxy basecoat at 180 sq.ft. per gallon

Calculate 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 scrape and vacuum up loose flakes. After scrapping and vacuuming several times. Apply coat of Surface Pro Polyaspartic Clear Finish coat using a magic trowel pull seal coat across the flake at 180 sq. ft per gallon. Surface Pro Water-based Urethane Gloss or Matte also great option for interior applications or low odor is a requirement.



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Dry time & Recoat:

Tack free/foot traffic: 6-8 hrs. Recoat 12-24 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.

Exterior Applications:

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

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
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:

30-ounce, 3-quart, 3 gallon and 15 gal kits

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