



Technical Data Sheet

3950 Steve Reynolds Rd.
Norcross, GA 30093

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POLYUREA FLEXIBLE CONCRETE FLOOR SYSTEM

Description:

Polyurea Flex is a tough two component floor coating system. Easy mix ratio One part resin to One-part catalysts by volume. Excellent UV and Chemical Resistance.

Typical Applications:

Retail and Commercial Flooring

Garage and Showroom Floors

High-Traffic Applications

Approved on wood floors and concrete counter tops

Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe down with denatured alcohol. If moisture is present floor may require application of Moisture Blok a Moisture Mitigating 100 solids epoxy Primer at spread rate of 150-180 sq. ft. per gallon. (See product label for further instruction.)

Mixing:

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

Pigmented Applications: if not premixed

Using a volumetric container measure mix 1 gal of clear then add 16oz of Polyurea color-pack. Mix for 2 minutes. Continually sweep sides and bottom of container.

Application:

Pour mixed material on the floor in 12" ribbons spread using a 8-12 mil notched squeegee. While wearing spiked shoes back roll with 3/16" premium lint-free roller.

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
gal Metallic Floors 200 sq.ft./gal

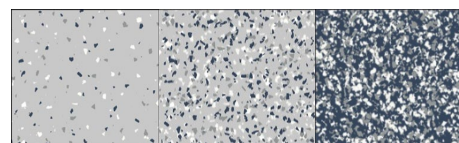
Finish coat on flake floors 150-180 sq.ft./gal.

Best if applied at temperatures between
65-90 degrees Fahrenheit.

Broadcasting Vinyl Chips:

Apply pigmented basecoat at 180 sq.ft. per gallon

Vinyl flake required per 250 sq.ft.



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

After basecoat is spread and back rolled divide chips in equal portions then throw vinyl chips upwards let them drop in the wet basecoat. Let cure 2hrs. Then scrap and vacuum up loose flakes. After scrapping and vacuuming several times. Apply coat of Clear Polyaspartic, 100 solids epoxy or Water-Based Urethane finish coat using a magic trowel pull tight them back roll to eliminate puddles.



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Dry time & Recoat:

Tack free/foot traffic: 24hrs. Recoat 24 hrs.
Heavy foot traffic 48 hrs. Vehicular Traffic 48 hrs.

Lightly sand the surface and wipe down with denatured alcohol or acetone before applying additional coats or finish coats.

Exterior Applications:

Recommended will not amber.

Physical Properties:

Viscosity Mixed	Brookfield	1275 cps
Solids by Weight	ASTM D2369	80
Shore-D Hardness	ASTM D2240	65
Compressive Strength	ASTM D695	4,000 psi
Adhesion to Concrete	ASTMD 4541	700 psi
Tensile & Elongation	ASTM D638	3950 psi & 40%
Koenig Hardness	ASTM D4366	85
Tabor Abrasion	ASTM D4060	7 mgs lost
Coefficient of Friction	ASTM 2047	< .60
VOC	< less than 100 grams/liter	

Chemical Resistance ASTM D-1308

Acetic Acid	Y
Acetone	Y
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	Y
Methanol	Y
Methyl Chloride	Y
Mineral Spirits	Y
Motor Oil	Y
Mustard	Y
Nitric Acid	N
Orange Juice	Y
Phosphoric Acid	Y

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

Available Kit Sizes:

2 and 10 gallon 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 5 grams/liter

Meets all VOC categories in US and Canada

(Approved for sale in California)

Contributes to Leed

Warranty:

Material only if proven defective, no labor