



Technical Data Sheet PolyGloss 85

Product Description

One Stop Epoxy PolyGloss 85 is a tough high solids two component floor coating system. Easy mix ratio one part resin to one-part catalysts by volume (1:1). Excellent UV and Chemical Resistance. This product is **FOR PROFESSIONAL APPLICATORS ONLY. NOT FOR DIYers OR HOMEOWNERS.** Time is of the essence when using Polyaspartic. Polyaspartic by nature is a very fast moving product requiring experience and skill to apply properly. If you are not an experienced installer, do not use this product.

Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol. If moisture is present floor may require application of Moisture Vapor Barrier.

Mixing

Add One Part A to One Part B by volume (1:1). Full Kits of PolyGloss 85 should be mixed for 2 minutes with mechanical mixing. Wearing spike shoes immediately pour mixed material on the floor.

Application – Concrete Base Coat

Pour mixed material on the floor in 12” ribbons and spread using a 5-7 mil notched squeegee. While wearing spiked shoes back roll with 3/16” premium lint-free roller.

Application – Full Flake Floor Top Coat

Pour mixed material on the newly installed flake floor in 12” ribbon and spread using a flat red rubber squeegee. While wearing spiked shoes pull product tight covering the entire flake floor. Have a second person back roll with 3/16” premium lint-free roller as soon as person using squeegee has moved out of the way. Time is of the essence. Polyaspartic by nature is a very fast moving product requiring experience and skill to apply properly. If you are not an experienced installer, do not use this product.

Coverage

One Stop Epoxy Poly Gloss 85 covers approximately:

Primer on Porous Concrete	150-200 SFPG
Pigmented receiver coat for vinyl chips	160-180 SFPG
Finish Coat on flake floors	135-165 SQPG

Dry Time and Recoat

Tack-free in 2 - 4 hours, fully cured in 24 hours
Recoat window is within 24 hours
Heavy Foot Traffic 48 hours
Vehicular traffic 48 hours

Before applying additional coats or finish coats, sand the surface and wipe it down with denatured alcohol or acetone. If you are resealing a flake floor you will need to sand the floor smooth to achieve proper bonding.

Exterior Applications:

Recommended will not amber.

Physical Properties:

Viscosity Mixed	Brookfield	2800 cps
Solids by Weight	ASTM D2369	85
Shore-D Hardness	ASTM D2240	65
Compressive Strength	ASTM D695	5,000 psi
Adhesion to Concrete	ASTMD 4541	700psi
Tensile & Elongation	ASTM D638	3950 psi & 30%
Koenig Hardness	ASTM D4366	115
Tabor Abrasion	ASTM D4060	7 mgs lost
Coefficient of Friction	ASTM 2047	< .60
VOC	< less than 100 grams/liter	

Chemical Resistance

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

100 grams/liter

Check local VOC categories in US and Canada Contributes to Leed

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

One Stop Epoxy

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