

Floropoxy System 4900 Fast Cure Epoxy Basecoat/Topcoat Clear

Product Description: Floropoxy System 4900 is a fast curing, high performance epoxy. Floropoxy 4900 is a low odor, glossy midcoat or topcoat over slurry, mortar and decorative systems. Its durability and easy maintenance makes floors easier to clean and prevents concrete dusting. The combining ratio is 2:1. Floropoxy 4900 can be used in place of Floropoxy 4805 in any Florock system.

Typical Uses, Applications: Ideally suited for mid-coat and topcoat use in commercial, industrial and light institutional applications, such as:

- Hospitals
- Detention facilities
- Warehouses
- Manufacturing plants
- Washrooms

Product Advantages:

- Fast curing
- High performance and durability
- No odor
- Meets USDA requirements
- Stain resistant
- A variety of colors can be achieved with the addition of Florock 100% Solids Colorants

Packaging

15 Gal Pail Set
165 Gal Drum Set

Storage: All containers should be stored at 40° F to 95° F, kept tightly sealed and out of direct sunlight.

Cured Physical Properties		
Property	Test Method	Results
Tensile Strength	ASTM C2370	6,000 PSI
Flexural Strength	ASTM D790	12,400 PSI
Hardness, Shore D	ASTM D2240	80
Water Absorption	ASTM C413	0.10%
Abrasion Resistance, Taber Abrader CS 17 Wheel, 1000 gm load, 1000 cycles	ASTM D4060	100 mgs lost
Flammability	Over Concrete	Self-Extinguishing
Bond Strength	ASTM-454	>400 PSI
Gloss	60 Degree	85 units

Coverage:

Apply Floropoxy 4900 at 160 SF/gallon for 10 mils or at 100 SF/gallon for 16 mils.

Surface Preparation: New concrete must have a 28 day cure, and preferably a broom swept finish, prior to coating. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, passes the MVT test and the water drop test and that all surface defects have been repaired. Refer to the Florock "Preparation of Concrete" datasheet for more information on preparation and MVT before proceeding.

Note: Floropoxy should not be applied when floor temperature is above 90° F or below 55° F, or when within 5° F of the dew point.

Typical Application: One coat of Floropoxy 4900 applied over Floropoxy 4700 Primer.

Note: For a field tint job, the primer should be tinted to the same color as the topcoat.

Primer Application: Once surface preparation is complete, apply Floropoxy 4700 primer to the concrete floor. Follow mixing application instructions for system 4700.

Note: The cure time will vary with conditions. Allow a minimum of 6 hours and a maximum of 24 hours before next step.

Clear Top Coat Application: When the primer has cured, and before 24 hours elapses, apply the Floropoxy 4900 top coat. In a clean, dry container, blend 2 parts by volume of Resin Part A with 1 part by volume of Activator Part B. Mix thoroughly for 3 to 5 minutes using a low speed mechanical mixer. Transfer the mixture from the batch container to a transport container, remix and pour entire contents from transport container onto the floor immediately. Using flat or notched squeegee, spread at 160 SF/gallon for 10 mils or at 100 SF/gallon for 16 mils. Backroll with a 3/8" nap roller.

For field tinting Floropoxy 4900: Blend 2 gallons clear epoxy Part A with 1 gallon Activator Part B and add 1 or 2 quarts of Florock 100% colorant. (Consult your Florock Rep. to decide which amount of colorant is best for your application).

Liquid Physical Properties			
Property	Test Method	M0-109 Component A	U0-174 Component B
Viscosity	ASTM D2196	9,000	300
Flash Point	ASTM D3278	>200 F	>200 F
Weight Per Gallon	ASTM D1475	9.5	8.5
N.V.W.	ASTM D2369	100%	100%
N.V.V.	ASTM D1259	100%	100%

Blended Components	
Blended Ratio	2:1 by volume
Blended Solids	100%
Pot Life (15 lb. mass)*	30-35 min
Curing Time, 70° F @ 50% RH	
Minimum Recoat	6-8 hrs
Maximum Recoat	24 hrs
Foot Traffic	10-12 hrs
Floor & Air Temp. Limitation**	55° F - 90° F
Blended Viscosity, ASTM D2196	2200 cps
Recommended Clean Up Solvent	S 41 Florobase Thinner
VOC, ASTM D3960	0

Instructions for Use over Existing Coatings: Examine the existing coating to ensure that it is well bonded to the concrete. Any loose coating must be completely removed. The surface must be free of all dirt, oils, or other contaminants. After the floor has completely dried, sand the existing coating until a powdery residue is evident and all gloss is good removed. Sweep or vacuum clean, and wipe with Florobase Thinner to ensure adhesion of the new System.

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Please read material safety data before using product.

DISCLAIMER:

All statements and recommendations above are based on experience we believe to be reliable. The use or application of these products being beyond the control of the Seller or Manufacturer, neither Seller nor Manufacturer make any warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability whatsoever of a product for an intended use shall be solely up to the User.