

Floropoxy 4905

Product Description: Floropoxy 4905 is a low viscosity, 100% solids, self-leveling epoxy. Floropoxy 4905 is available with a standard or fast curing activator. This product is excellent for priming and midcoat use.

Typical Uses, Applications: Ideally suited for primer and mid-coats for flooring systems used in commercial, industrial and light institutional applications, such as:

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

Product Advantages:

- Low Viscosity
- Fast cure time
- Excellent self-leveling properties
- 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 and be kept tightly sealed and out of direct sunlight.

Coverage:

Apply Floropoxy 4905 at 100-200 SF/gallon.

Cured Physical Properties		
Property	Test Method	Results
Compressive Strength	ASTM D-695	11,200 psi
Tensile Strength	ASTM D-638	2,100 psi
Flexural Strength	ASTM D-790	5,100 psi
Indentation	MIL-D-3134F	No Indentation
Hardness, Shore D	ASTM D-2240	80 - 85
Abrasion Resistance, CS 17 Wheel, 1000 gm load, 1000 cycles	ASTM D-4060	129 mg loss
Water Absorption	MIL-D-24613	Nil
Coefficient of Friction	ASTM D-2047	0.7 minimum
Bond Strength to Concrete	ACI-40	Substrate failure
Impact Resistance	MIL-D-24613	0.0007" No cracking or delamination
Flame Spread NFPA-101	ASTM-E-84	Class 4
Toxicity	USDA Approved	Non Toxic

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.

Field Tinting:

System 4905 can be field tinted. For tinting Floropoxy 4905, blend 2 gallons Clear Epoxy Part A with 1 gallon Activator Part B and 1 quart Florock 100% Colorant.

Primer or Basecoat Coat Application:

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 100-200 SF/gallon. Backroll with a 3/8" nap roller. Proceed with broadcast.

Note: The cure time will vary with conditions. Allow a minimum of 4 hours and a maximum of 24 hours before next step.

Topcoat(s): Use a Florock High Performance topcoat.

Note: When coating over existing coatings, a test patch is recommended to evaluate compatibility.

Please read material safety data before using product.

Blended Components	Std Cure	Fast Cure
Part# Comp. A Part# Comp. B	M0-111 U0-177	M0-111 0-178
Blended Ratio	2:1 by volume	2:1 by volume
Blended Solids	100%	100%
Pot Life, min. (15 lb. mass)	22	11.5
Set to Touch, hr	4-6	3-4
Minimum Recoat , hr	6-8	4-6
Maximum Recoat, hr	24	24
Foot Traffic, hr	24	24
Floor & Air Temp. Limitation	55° F-90° F	55° F-90° F
Blended Viscosity, ASTM D-2196-10	400-500	300-400
VOC, ASTM D3960	0	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. Edges should be sanded to a detergent cleaner. 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.

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.