

Florotallic Decorative Flooring System

Product Description: Florotallic is a decorative flooring system with the look of a shimmering metallic stain. The versatile Florotallic can be used with a wide range of Florock flooring products, and is available in a variety of colors and decorative effects to provide a unique and exciting floor.

Typical Uses:

- Restaurants (front of house)
- Retail Space
- Schools
- Hospitals
- Office buildings
- Showrooms
- Airports

Product Advantages:

- Unlike conventional stains, Florotallic provides consistent, easily reproduced results over a variety of substrates
- More economical than other types of decorative flooring systems
- Wide range of decorative effects
- Available in a LEED compliant, solvent-free application
- Available for exterior applications
- Excellent durability, mar resistance and color stability

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.

Cured Physical Properties		
Property	Test Method	Results
Compressive Strength	ASTM C579	11,200 PSI
Tensile Strength	ASTM C2370	7,300 PSI
Flexural Strength	ASTM D790	7,770 PSI
Indentation	MIL-D-3134F	No Indentation
Hardness, Shore D	ASTM D2240	80
Percent Elongation	ASTM D2370	6%
Water Absorption	ASTM C413	0.2%
Bond Strength, ACI Committee #503 pg. 1139-1141	ASTM D454	>400 PSI
Abrasion Resistance, Taber Abrader CS 17 Wheel, 1000 gm load, 1000 cycles	ASTM D4060	105 MG
Water Resistance, Fed. Test Std. #141 Method 6011	ASTM D1308	No Effect
Salt Water Resistance Fed. Test Std. #141 Method 6061	ASTM B117	No Effect
Boiling Water Resistance (1 hour continuous exposure)	ASTM D2571	No Effect

Installation Over Smooth, Bare Concrete:

1. Primer: Once surface preparation is complete, apply system 4700 primer to the concrete floor. In a clean, dry container, blend 3 parts by volume of Component A and 1 part by volume of Component B. Mix only the amount that can be applied during the working time. Mix thoroughly for 3-5 minutes, using a low speed mechanical mixer. Transfer the mixture from the batch container to a transport container. Remix and pour entire mix from the transport container onto floor immediately.

Retaining mixture in the bucket will shorten the pot life. Using a 1/8" V notched squeegee, apply primer at a rate of 200 ft² per gallon to achieve 8 mils, then backroll with a 3/8" nap roller immediately after spreading.

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

2. System 4805 Pigmented Basecoat

Application: Prior to mixing and application of pigmented basecoat, it is best to do a light sand/screen of the primer to remove any imperfections. In a clean, dry container, blend 3 parts by volume of resin Part A with 1 part by volume of activator Part B and, using a low speed mechanical mixer, blend well for 3 to 5 minutes. When tinting 4805 clear, add Epoxy Colorant at the rate of 1 quart colorant to a 4 gallon batch of clear epoxy. Transfer mixture from batch container to transport container and remix. Immediately pour entire mixture onto floor. Using a 1/8" V-notched squeegee spread System 4805 at 200 ft² per gallon to achieve 8 mils, then back roll with a 3/8" nap roller immediately after spreading.

Note: The cure time will vary with conditions. For System 4805 allow a minimum of 8 hours and a maximum of 48 hours before moving on to next step.

3. Florotallic Mid Coat: Prior to mixing and application of Florotallic mid coat, it is best to do a light sand/screen of the pigmented basecoat to remove any imperfections. Premix Part B to ensure all the pigment is suspended. It may be necessary to scrape the bottom of the container to loosen any soft settling that may have occurred. In a clean, dry container, blend 3 parts by volume of clear Part A resin with 1 part by volume of Florotallic activator Part B and, using a low speed mechanical mixer, blend well for 3 to 5 minutes. Transfer mixture from batch container to transport container and remix. Immediately pour entire mixture onto floor. Using a 1/8" V-notched squeegee, spread the Florotallic system a rate of 80 ft² to achieve 20 mils and then back roll with a 3/8" nap roller. Immediately

Chemical Resistance	
Reagent	7 Days
Hydrochloric Acid 10%	E
Hydrochloric Acid 30%	E
Nitric Acid 10%	E
Phosphoric Acid 50%	G
Sulfuric Acid 37%	E,S
Acetic Acid 10%	E
Citric Acid 10%	E
Oleic Acid	E
Ammonium Hydroxide 10%	E
Sodium Hydroxide 50%	E
Ethylene Glycol (Antifreeze)	E
Isopropyl Alcohol	E
Methanol	E
D-Limonene	E
JP-4 Jet Fuel	E
Methylene Chloride	P
Methyl Ethyl Ketone	E
PMA	E
Ammonium Nitrate 20%	E
Brake Fluid	E
Bleach	E
Motor Oil (SAE30)	E
Skydrol 500B	E
Sodium LD4	E
Sodium Chloride 20%	E
Tide Laundry Soap 1%	E
Trisodium Phosphate 10%	E
Gasoline	E
Mineral Spirits	E
Xylene	E

Results based on 7 day spot testing on concrete. System cured 7 days prior to testing.

Rating Scale:

- E- Excellent. No change in pencil hardness
- G - Good. 1-2 units change in pencil hardness
- F – Fair. 3 units change in pencil hardness
- P – Poor. 4 or more units change in pencil hardness
- S- Stains

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after application, create your desired appearance by pulling or dragging the wet roller across the floor, or by creating lines or patterns in some other manner. This is best done by one person so that results are consistent across the entire area.

4. High Performance Top Coat: Prior to application of a top coat, it is best to do a light sand/screen of the Florotallic mid coat to remove any imperfections. The Florotallic system shall have a clear top coat of either Florothane MC 100 or FloroWear 7100 applied at 500 ft² per gallon. When using Florothane MC 100, it is strongly recommended that glass beads are incorporated to add texture.

Maintenance:

Sweep away dust and debris with a broom. Clean on a regular basis with a surfactant type, mild detergent. Florock floors never need to be waxed.

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 of a product for an intended use shall be solely up to the User.