

System 3000

Product Description: System 3000 is a two component solvent based epoxy polyamide flooring system or primer for use with other Florock products. A multiple coat application provides additional wear along with the option of skid resistance. Neutral System 3000, conveniently pigmented with Florock Universal Colorant at the job site, creates an attractive, moderately chemical resistant floor that is easy to maintain.

Typical Uses, Applications: Ideally suited for commercial, industrial and institutional applications, such as:

- Primer under other Florock Systems
- Warehouses
- Facilities with moderate traffic

Product Advantages:

- Extremely versatile
- Provides a highly acid and alkali resistant layer to existing coatings
- Can be colored into numerous variations with Florock 100% Colorant

Packaging:

- System 3000 -
5 Gallon Case
25 Gallon Pail Set

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

Coverage:

- 275 square feet per gallon

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 water drop test and that all surface defects have been repaired. Refer to the "Preparation of Concrete" datasheet for more information on preparation and MVT before proceeding.

Cured Physical Properties		
Property	Test Method	Results
Sward Hardness	ASTM D2134	30
Impact Resistance, Forward	ASTM G14	65
Impact Resistance, Reverse	ASTM G14	15
Abrasion Resistance, Taber Abrader CS 17-Wheel, 1000 gm load, 1000 cycles	ASTM D4060	115 mg

System 3000 Application – Two coats applied on smooth bare concrete

Note: System 3000 should not be applied when floor temperature is above 90°F or below 55°F, or when within 5°F of the dew point.

Self-Priming Application: The use of a separate primer may be eliminated, as System 3000 is self-priming. Surface must be completely dry and free of contamination before proceeding.

1. Premix epoxy Component A. Blend the epoxy and hardener at a ratio of 4:1 by volume for 2 - 3 minutes with a mechanical mixer. Induct for one hour then remix. INDUCTION IS MANDATORY. Add Florock Universal Colorant after induction, in accordance with the Universal Colorant literature. Mix well for 2 – 3 minutes.

Note: During warm weather applications, System 3000 may be reduced with up to 20% Xylene by volume to minimize the incidence of bubbling.

2. Using a solvent resistant, short nap roller, apply at an approximate spread rate of 300 SF/gallon on smooth surfaces or 250 SF/gallon on rough surfaces. If skid resistant characteristics are required, broadcast #36 or #60 White Aluminum Oxide into the wet primer at a rate of 4 - 6 lbs/1000 SF. Allow to dry for 4 - 24 hours before top coating or recoating. If more than 24 hours elapses, consult your Sales Representative.

3. Repeat the application for a second coat.

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 feathered edge. Clean the entire floor thoroughly with 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 removed. Sweep or vacuum clean, and wipe with Florobase Thinner to ensure good adhesion of the new System.

Please read material safety data before using product.

Disclaimer:

All statements and recommendations are based on experience we believe to be reliable. The use or the 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.

Chemical Resistance	
Reagent	Spot Test Results
Hydraulic Fluid	1
Motor Oil	1
Gasoline	1
1 N. HCL	1
MEK	3
IPA	1
Acetone	1
Ammonia	1
Sulfuric Acid 10%	3
Nitric Acid 10%	1
Hydrochloric Acid 10%	1
Citric Acid 10%	1
Phosphoric Acid 50%	3
Brake Fluid	3
Sodium Chloride 20%	3
Sugar 10%	1
Skydrol	1
Black Ink	1
Iodine	1,S
1 1 1 Trichloroethane	2
Methylene Chloride	2
Mineral Spirits	1
Xylene	1
MIBK	2
Toluene	1

Rating Scale: Spot Test, ASTM D1308

Pencil Hardness Test, ASTM D3363

- 1 - Excellent. No change in pencil hardness
- 2 - Very Good. 1 Unit change in pencil hardness
- 3 - Good. 2 Units change in pencil hardness
- 4 - Fair. 3 Units change in pencil hardness
- 5 - Poor. 4 or more units change in pencil hardness
- S - Stains