System 3700
Solvent Based Epoxy Primer

Product Description: System 3700 is durable, solvent based, low viscosity, penetrating fast curing primer.

Typical Uses, Applications: Ideally suited for priming or midcoat use in commercial, industrial and institutional applications, such as:
- Industrial Lofts
- Warehouses
- Manufacturing plants
- Washrooms

Product Advantages:
- Excellent Penetration
- Better adhesion over oil stains than solvent free primers.
- Compatible with Florock Universal 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:
System 3700 will cover 275 to 350 sf per gallon depending on the texture of the surface

Cured Physical Properties		
Property	**Test Method**	**Results**
Compressive Strength	ASTM D695	13,500 PSI
Tensile Strength	ASTM D2370	8,000 PSI
Hardness, Shore D	ASTM D2240	85 @ 0 sec. 80 @ 15 sec.
Fluxural Strength	ASTM D790	12,000 PSI
Tensile Elongation	ASTM 2370	5%
Abrasion Resistance, Taber Abrader CS 17 Wheel, 1000 gm load, 1000 cycles	ASTM D4060	88 mg loss
Water Absorption	ASTM C413	0.2%
Bond Strength	ASTM D454	>400 PSI
Impact Resistance	ASTM D2794	160 lbs.

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: System 3700 should not be applied when floor temperature is above 90° F or below 55° F, or when within 5° F of the dew point.

Primer 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 3-5 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 flat squeegee, apply at desired thickness. Backroll with a 3/8" nap roller. Apply @ 200 to 250 sf per gallon.

For Pigmented Primer, add 1 qt. of Florock Universal Colorant into each 3 gallon batch of System 3700.

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

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.

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

Chemical Resistance	
Reagent	**Spot Test Results**
Water	1
Isopropyl Alcohol	4
Acetone	4
Sulfuric Acid 10%	1
Nitric Acid	1
Hydrochloric Acid 10%	2
Phosphoric Acid 50%	1
Citric Acid 10%	1
Brake Fluid	1
Salt 20%	1
Acetic Acid 10%	4
Sugar Solution 10%	1
MEK	4
JP 4 Jet Chloride	1
Methylene Chloride	D
Xylene	4
Toluene	4
Mineral Spirits	1
Skydrol	1
Tincture of Iodine	4,S
Lactic Acid 10%	4
Sulfuric Acid 25%	3

Rating Scale: Spot Test, ASTM D1308
Pencil Hardness Test, ASTM D3363
1 – No change in pencil hardness
2 – 1 Unit change in pencil hardness
3 – 2 Units change in pencil hardness
4 – 3 Units change in pencil hardness
D – Destroyed
S - Stains

4165 S. Emerald • Chicago, IL 60609 • (800) 356-7625 • www.florock.net

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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 of 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.

Liquid Physical Properties			
Property	**Test Method**	**M0-107 Component A**	**U0-170 Component B**
Viscosity	ASTM D2196	70 cps	30 cps
Flash Point	ASTM D3278	83 F	83 F
Weight Per Gallon	ASTM D1475	8.5 lbs	7.7 lbs

Blended Components	
Blended Ratio	2:1 by volume
Curing Time, 70º F @ 50% RH	
Set to Touch	4 hours
Minimum Recoat (Foot Traffic)	6 hours
Maximum Recoat	48 hours
Pot Life (3 Gal. Volume)*	18 min. @ 70º F
Minimum Recommended Spread Time	250 sf/gal.
N.V.W., ASTM D2369	65.9%
N.V.V., ASTM D1259	61.2%
Blended Viscosity, ASTM D2196	50 cps
Recommended Clean Up Solvent	Xylene
VOC, ASTM D3960	340 gpl

*Pot Life will be less with warmer slab and material temperatures.