

## Floropoxy Satin Epoxy

### Product Description:

Floropoxy Satin is a 2-component, durable, low odour, 100% solids epoxy topcoat which is resistant to yellowing.

### Typical Uses, Applications:

Ideally suited for a topcoat over Florock systems when a Satin finish is required. Highly used in commercial, light industrial and institutional applications such as:

- Manufacturing plants and warehouses
- Pharmaceutical installations
- Aviation facilities
- Hotels, restaurants & public areas
- Education establishments

### Product Advantages:

- Good Chemical & Abrasion Resistance
- Low odour - 100% Solids
- Satin finish

### Packaging:

2 part A+B ,  
18.9 litre pack size (when blended)  
Mixing ratio 4:1 by volume

### Storage:

All containers should be stored between 16° C to 30° C in a dry area and be kept tightly sealed and out of direct sunlight.

### Coverage:

Apply Floropoxy Satin at approx. 7.6m<sup>2</sup> /ltr to achieve 125 microns dft.

Note: Excessive thickness will result in a glossier finish.

Liquid Physical Properties			
Property	Test Method	M1-086 Component A	U0-173 Component B
Viscosity	ASTM D2196	15000 cps	45 cps
Flash Point	ASTM D3278	>93C	>93C
Weight Per litre	ASTM D1475	1.10 kg	0.95 kg
N.V.W.	ASTM D2369	100%	100%
N.V.V.	ASTM D1259	100%	100%
VOC	ASTM D3960	0	0

Blended Components	
Blended Ratio	4:1 by volume
Curing Time, 21° C @ 50% RH	
Set to Touch	12 hours
Minimum Recoat (Foot Traffic)	16 hours
Maximum Recoat	24 hours
Working Time (18.9 ltr Volume)*	25 minutes @21° C and 50% relative humidity
Minimum Recommended Spread Time	7.6m <sup>2</sup> /ltr to achieve 125 microns dft.
Blended Viscosity, ASTM D2196	1000cps
Recommended Clean Up Solvent	S-41Florobase Thinner
VOC, ASTM D3960	0
Gloss	45-55

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

### 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 Moisture Vapour Transmission (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 Satin should not be applied when floor temperature is above 32° C or below 13° C, or when within 3° C of the dew point.

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### Application:

In a clean, dry container, blend 4 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.

*Important: Floropoxy Satin cannot be field tinted. This coating is used as a low sheen clear coat only. Contact your Florock Representative for information.*

*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 solvent free wipes to ensure good adhesion of the new System.

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

### 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.

Chemical Resistance	
Reagent	Spot Test Results
Sulfuric Acid 10%	1
Sulfuric Acid 25%	1
Nitric Acid	1
Hydrochloric Acid 10%	1
Phosphoric Acid 50%	4
Citric Acid 10%	1
Lactic Acid 10%	1
Acetic Acid 10%	1
Sugar Solution 10%	1
Isopropyl Alcohol	5
Acetone	5
Ammonia	1
Brake Fluid	4
Sodium Chloride 20%	1
MEK	5
JP 4 Jet Chloride	2
1-1-1 Trichloroethane	1
Toluene	5
Xylene	5
Methylene Chloride	5
Mineral Spirits	1
MIBK	5
Skydrol	5
Tincture of Iodine	1,S
Water	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

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**DISCLAIMER:**

All preceding statements and recommendations 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.