

## FloroMark Line Marking System

### Product Description:

FloroMark is unique among floor marking and striping materials. Tough, glossy and colour-rich, it provides excellent hiding power in one coat with minimal bleed under tape. Applied at an average of 2m<sup>2</sup>/ltr, this durable epoxy coating will minimize the need for frequent recoating.

FloroMark is low odour and has a very low VOC content. Kits are available in Safety Yellow. A variety of Florock Colourants may be substituted for the yellow colour to customers requirements.

### Packaging:

FloroMark is available in multi-packs, each containing four x 3kg kits in Safety Yellow. For other colours or packaging, please consult your Florock Representative.

### Storage:

All containers should be stored at 5° C to 35° C and be kept tightly sealed and out of direct sunlight.

### Instructions for Use on Bare Concrete:

1. Prepare surfaces in accordance with instructions in the "Preparation of Concrete Manual".
2. Apply good quality masking tape to floor where desired. Pour FloroMark Resin Part B into partially filled 4 ltr can of Part A. Mix thoroughly for 3-5 minutes, using a low speed mechanical mixer. Mix Florock Colorant thoroughly in its own container

### Liquid Physical Properties

Property	Test Method	Part A X-9424-21A	Part B U0-144	Part C K2-020
Viscosity	ASTM D 2198	68,000 cps	33 cps	800 cps
Flash Point	ASTM D3278	>93° C	>93° C	>93° C
Wt. per ltr	ASTM D1475	1.48kg	0.95kg	1.45kg
N.V.W.	ASTM D2369	100%	100%	69%

### Blended Components

Blending Ratio	10:18:8 by volume
Pot Life 3kg. Volume*	30 Minutes
Min. Recommended Spread Rate	2m <sup>2</sup> /ltr
N.V.W.	97%
Cure Time at 21° C**	
Set to touch	1½ - 2 hours
Foot Traffic	6± 8hrs
Forklift Traffic	Overnight
Floor and Air Temp Limitations ***	13° to 32°
Blended Viscosity (resin only)	3,500 cps
Recommended Clean-up Solvent	S-41 Florobase
V.O.C.	35gpl

\* Pot life varies depending upon mass and storage temperature of materials.

\*\*Cooler temperatures require longer dry time. Film thickness effects dry time.

\*\*\*Consult your Florock Sales Representative for temperatures outside these limits.



before adding to Neutral resin blend. Blend resin and colorant for 3 more minutes, using a low speed mechanical mixer.

**3.** Pour FloroMark mixture out in a “ribbon” inside masked-off lines. Spread with long-napped 10mm roller, after wetting out roller well. Apply at 250 – 500 microns WFT thickness. Product has 60 minute pot life. Pull tape before epoxy cures.

*Note: A second application may be necessary to achieve full hiding. Repeat steps 2 and 3 for a second application.*

**4.** Open floor to light foot traffic after 6-8 hours. Full chemical cure and mar resistance will be achieved in 7-10 days

**Instructions for Use over Existing Coatings:**

**1.** If Florock Flooring System is less than 24 hours old, and floor is smooth, proceed with steps 2 - 4 above. When installing FloroMark over an older system, examine existing coating to ensure it is properly prepared and well-bonded to the concrete. Any loose coating should be completely removed and edges should be sanded to a feathered edge.

**2.** Clean the floor by removing all dirt, oils, grease and other contaminants from the surface, using detergent cleaner.

**3.** Allow the floor to dry completely. Then sand the existing coating areas to be marked until a powdery residue is evident and all gloss is removed. Sweep or vacuum clean and wipe with solvent to ensure good adhesion of the new system. Prepare any bare concrete by acid etching or mechanical means and prime bare spots with an appropriate Florock Primer.

**4.** Follow Steps 2-4 of “Instructions For Use On Bare Concrete” above.

Chemical Resistance	
Sulfuric Acid 10%	1
Sulfuric Acid 25%	1
Hydrochloric Acid 10%	1
Phosphoric Acid 50%	1
Citric Acid 10%	4
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 Fuel	2
1 1 1 Trichloroethone	1
Toluene	5
Xylene	5
Methylene Chloride	5
Mineral Spirits	1
MIBK	5
Skydrol	1, S
Tincture of Iodine	1
Water	

Based on 1 day spot testing. Coating cured 2 weeks prior to testing. Spot Test IAW ASTM D1308, Pencil Hardness Test IAW ASTM D3363

**Rating Scale:**

- 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 units change in pencil hardness.
- S- Stains

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*Note: To ensure compatibility and adhesion of FloroMark with the existing coatings other than Florock brand, installation of a test patch should be approved prior to striping, and used as the job standard.*

**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 preceding 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 of a product for an intended use.