

## PRODUCT DATA SHEET

### FLOROTHANE GLO/MATT

#### DESCRIPTION:

**FLOROTHANE GLO/ MATT** are a 2 part, solvent based, coloured floor and wall coating based on polyurethane resin. It is designed to improve cleanability, increase stain resistance and abrasion resistance.

#### APPLICATIONS:

- Pharmaceutical plants
- Service floor areas in pharmaceuticals plants.
- Automobile industries
- Airport areas
- Warehouse areas
- Light foot traffic area in manufacturing units.

#### KEY FEATURES:



**Durable:** Provides durability against wear and tear as well as protection against various chemicals.



**Liquid proof:** Prevents liquids from penetrating the surface, enhancing longevity and cleanliness.



**Matt finish:** Offers a sleek and non-reflective appearance.



**Slip-resistant:** Enhances safety by reducing the risk of slips and falls.



**Easy to apply and to keep clean:** Simplifies installation and maintenance procedures, ensuring convenience.

## PRODUCT INFORMATION:

<b>Composition:</b>	Polyurethane
<b>Packaging:</b>	Part A+B: 5.75 kg set
	Part A: 5.0 kg container
	Part B: 0.75 kg container
<b>Shelf life</b>	12 month from the date of manufacturing
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C.
<b>Density</b>	~1.2 kg/L (Part A+B mixed, +27 °C).

## TECHNICAL PROFILE:

<b>Abrasion resistance:</b>	37mg Loss Per 1000 Cycles	ASTM D 4060-20
<b>Tensile adhesion strength</b>	≥ 1.5 N/mm <sup>2</sup>	
<b>Chemical resistance</b>	Resistant to various chemicals; contact FLOROCK Technical Services for specific information.	

## SYSTEM INFORMATION

System Structure	Layer	Product
	Primer	Florprime EP/ Florprime WB
	Top coat	1-2 x Florothane Glo /Matt

Note: As an optional primer Florprime/ Florprime WB EP can be used. Refer to the respective Product Data Sheet.

## APPLICATION INFORMATION

<b>Consumption</b>	~0.120–0.140 kg/m <sup>2</sup> per layer			
	Note: These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.			
<b>Layer Thickness</b>	~80–100 microns per layer			
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.			
<b>Relative Air Humidity</b>	80 % max.			
<b>Waiting Time to Overcoating</b>	~12 h (+30 °C)			
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
	+10 °C	~48 hours	~5 days	~10 days
	+20 °C	~24 hours	~3 days	~7 days
	+30 °C	~16 hours	~2 days	~3 days
	Note: Times are approximate and will be affected by changing ambient conditions.			

## APPLICATION INSTRUCTIONS

Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions

### **SUBSTRATE QUALITY**

1. The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.
2. The substrate must be clean, dry and free of all contaminants such as oil, grease, coatings and surface treatments, etc.

### **SUBSTRATE PREPARATION**

#### **Incorrect treatment of cracks**

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

1. Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment or diamond grinding machine to remove cement laitance and achieve an open textured surface.
2. Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
3. Repairs to substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Florock® range of materials.
4. High spots can be removed by grinding. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.
5. The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.

### **MIXING**

#### **Mix full units only**

1. Mix Part A (resin) until the coloured pigment is dispersed and a uniform colour is achieved.
2. Add Part B (hardener) to Part A.

3. Mix Part A+B continuously for 2 minutes until a uniformly coloured mix is achieved.
4. Note: Avoid excessive mixing to minimise air entrainment.
5. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
6. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

### **APPLICATION**

#### **1. Application on uneven substrates**

Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealer coats.

#### **2. Application in high moisture**

If > 4 % pbw moisture content, Florock® may be applied as a T.M.B. (temporary moisture barrier) system.

#### **3. Protecting the material after application**

After application, protect the system from damp, condensation and direct water contact for at least 24 hours.

#### **4. Protect from overhead leaks and condensation**

Protect the product during application from pipe condensation or any overhead leaks.

#### **5. Temporary heating**

If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish. For heating, use only electric powered warm air blower systems.

### **Top Coat Application**

- Pour the mixed product onto the substrate.
- Spread the product evenly over the surface with a squeegee.
- Back roll the surface in two directions at right angles with a short pile roller. Note: Maintain a "wet edge" during application for a seamless

finish. Note: Avoid puddles on the surface during application.

### **SAFETY GUIDELINES:**

- Keep containers tightly sealed when not in use.
- Avoid skin contact and inhalation of fumes (if any).
- When spraying, it is advisable to wear a mask for personal protection.
- If the substance comes in contact with the body, wash the affected parts thoroughly with plenty of water.
- In case of persistent irritation, seek medical attention and consult a physician.