

# ALEX FLOOR FL5000



## Multi Component, Solvent Free Epoxy Coating For Concrete Floors

### Description

**ALEXFLOOR FL5000** is a solvent, free Self leveling epoxy mortar based on a Combination of specially graded aggregates bound in pigmented epoxy resin binder, prepared for onsite mixing.

When mixed provide 4.5-5.5 mm floor topping with a unique properties.

**ALEXFLOOR FL5000** is supplied in Pre-weighted, packs, Base (A), hardener (B) and aggregate (C)

### Uses

**ALEXFLOOR FL5000** is used extensively In the following industries:

- Car production facilities.
- Pharmaceutical factories.
- Traffic decking- including pedestrian and light duty vehicles.
- Medical laboratory situations
- Air craft hangars and maintenance areas
- Warehouses for installations with a medium Frequency and volume of traffic
- Laboratories.
- Offices.
- Stores.
- Super markets.
- Hospitals.

### Advantages

- Good resistant to a wide range of chemicals
- Solvent free
- Easily to mix & applied

- Odourless epoxy
- Excellent adhesion to concrete
- Smooth surface, easy to clean
- Durable (good abrasion resistance)
- Provide seamless floor surface.
- Wide range of colours.
- Fast application.

### Packing

**ALEXFLOOR FL5000** is supplied as a 35 kg multi –component pack

### Colors

**ALEXFLOOR FL5000** is available in a wide range of colour, light grey, medium grey, dark grey, beige, red, blue and green, other colours upon request.

### Properties

<b>Pot Life</b>	75 minutes	20°C.
	40 minutes	30°C
<b>Compressive strength (ASTM C-579)</b>	90N/mm <sup>2</sup>	
<b>Tensile strength (ASTM D-638)</b>	35N/mm <sup>2</sup>	
<b>Flexural strength (ASTM C-293)</b>	60 N/mm <sup>2</sup>	
<b>Full cure</b>	7 days	20 °C
	6 days	30°C
<b>Bond strength to concrete (ASTM C-882)</b>	4.5 N/mm <sup>2</sup>	

## **Surface preparation**

Remove all loose particle oil, grease, or Any defective concrete. The surface is to be laid must be flat and roughened. Surface to receive coating should be dry. Specialist finishes should not be applied to concrete .

Use compressed air to get surface from looses and demolish any semi loose part. Any laitance should be removed mechanically.

## **Standard**

According to BS4247, ASTM C882, ASTM D638

## **Guide to application**

### **Mixing:**

**ALEXFLOOR FL5000** is supplied in Base+ hardner+filler. Mix the base and the hardener components In the mixing container using a slow Speed electric drill Add the filler slowly while mixing, mix for at least 5 minutes until homogenous consistency is achieved

### **Application:**

- The concrete temperature surface should not exceed 35°C.
- Add the Hard component (B) to the base Component (A) then mix by using a slow speed electric drill( r.p.m)
- Add the filler slowly while mixing and continue mixing after finishing the third component by at least 3 min.

- Use (ALEX PRIME EP) as a primer To achieve a smooth finish apply the **ALEXFLOOR FL5000** with a short Hair roller or sequugee, as a single coat At a minimum thickness of 5.0 mm, To apply at thickness greater than 5.0 mm Use a pin screed or trowel.
- After laying the material use spiked roller to avoid air entrapped.

### **Coverage:**

**ALEXFLOOR FL5000** is approximately covers 4.0m<sup>2</sup> at 4.5 mm thickness per 35 kg pack.

### **Storage:**

Store out of direct sunlight, clear of the ground on pallets protected from rainfall void excessive compaction and protect from extremes of temperatures.

### **Shelf life:**

Up to 12 months if stored in unopened containers according to manufacturer's instructions.

### **Safety precautions:**

- Avoid contact with eyes, mouth, and skin
- Treat splashes to eyes and skin immediately
- Use protective clothing, plastic gloves.
- If contact the skin, remove using dry clothes immediately.

**Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

**Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.

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