

ALEXFLOOR EP2000



Solvent- Free Epoxy Coating

Description

ALEXFLOOR EP2000 is a two component Solvent free, epoxy resin coating designed for continuous protection to Chemical attack based on epoxy resin and specially selected curing agent.

Uses

ALEXFLOOR EP2000 is used for floor painting when chemical resistance paint is required such as:-

- Hospital, Medical services.
- Laboratories.
- Warehouses
- Tanks
- Silos
- Electrical power plants.
- Industrial areas
- Laundries
- Garages

Advantages

- Wide range for chemical resistance.
- Solvent free.
- Smooth and high build coating.
- Odourless epoxy.
- High mechanical strength.
- Anti bacteria.
- Wear and abrasion resistance.
- High adhesion to concrete, steel and wooden surface.
- Coloured.

Packing

ALEXFLOOR EP2000 is supplied as a 5-10 kg multi –component pack.

Colors

ALEXFLOOR EP2000 is available in a grey colour or upon request

Properties

Pot Life	60 minutes	20°C.
	35 minutes	30°C
Specific gravity	Approximately 1.35 depend on the colour	
Dry film thick (D.F.T)	200 micron	
Solid content	100%	
Full cure	7 days	20° C
	5 days	30° C
Bond strength	3 N/mm ²	

Chemical resistance

The fully cured coat is resistant to acid, alkalis and solvent such as:-

Distilled water
Chlorinated water
Marsh water
Sewage water
Kerosene
Sodium hydroxide 25%
Petrol

Gas oil
Phosphoric acid 10%
Nickel plating solution
Lactic acid 1%
Sulphuric acid 50%
Hydrochloric acid 50%
Saturated sugar: very good
Sodium hydroxide 50 %

Surface preparation

Remove all loose particle oil, grease, or Any defective concrete.
The surface is to be laid must be flat and roughened. The concrete age should be 28 days at least

Guide to application

Mix component (A) well, and then pour all the Amount of component (B). Mix it by electric drill (300-500 rpm) until a smooth and even consistency is achieved.

Application:

Porous substrates should be sealed with Primer(ALEXPRIME EP) prior to application of **ALEXFLOOR EP2000**. It can be applied by brush, short nap roller, serrated trowel or pin screed, depending on the thickness required.

Use of glass fiber reinforcement

ALEXFLOOR EP2000 may be used in conjunction with glass fiber fabric to increase coating thickness or where it is necessary to bridge fine cracks in the substrate. The fabric should be laid directly into the first coat whilst it is still wet and should be pressed in and smoothed out with a stiff nylon brush or spilt washer

roller, second and subsequent coats may be applied as necessary allowing 6 to 18 hours at 200 °C between each coat. (Two coats recommended)

Anti slip system

- Applied the primer coat ALEX PRIME EP
- Alex filler to be sprayed on the wet primer surface.
- Keep till dry and remove all loose filler.
- Apply first coat of **ALEXFLOOR EP2000**
- Repeat spraying the filler and remove its looses
- Apply the final coat of **ALEXFLOOR EP2000**

Coverage:

ALEXFLOOR EP2000 approximately covers 3.0 m²/kg at 200 microns(D.F.T)

Storage:

Store out of direct sunlight, clear of the Ground on pallets protected from rainfall Avoid excessive compaction and protect from extremes of temperatures

Shelf life:

Up to 12 months if stored in unopened containers according to manufacturers instructions

Safety precautions:

Avoid contact with eyes, mouth, skin persons dandling these materials shall Use protective clothing including rubber or plastic gloves.

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.