

DESCRIPTION

Two Component Solvent Free Epoxy Fair Face Mortar, for filling pinholes and repairing irregularities of the concrete and steel surfaces.

USES

EPMORTAR FC® is applicable to be used for:

- ☐ Sealing holes and Hair cracks up to 50mm
- ☐ Repairing concrete edges and surfaces
- ☐ Tile spot fixing and grouting up to 2mm

ADVANTAGES

- ☐ Excellent adhesion between concrete and steel surfaces
- ☐ High ultimate compressive strength
- ☐ Smooth finish
- ☐ Non-Sagging
- ☐ Excellent adhesion
- ☐ Applied horizontally and vertically
- ☐ Impermeable when immersed in water
- ☐ Low VOC Content

Compliance:

BS 6319, BSEN 196, BSEN 1015, ASTM C 1127 & ASTM 1193

MATERIAL DATA

Type	Epoxy Based
Form	Grey
Packing	10Kg & 50Kg "A&B" (UAE) 3, 10 & 20 KG "A&B" (Lebanon)
Application	Spatula, Scraper or palette knife
Storage	24 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Property	Value	Test Method
Density	1750 + 10 Kg/m ³	S.G Cup
Pot life	50min @ 20°C 30min @ 30°C	
Ult. compressive Strength	>75N/mm ²	BS EN 196-1995
Flexural Strength	>30N/mm ²	BS 1881: Part118
Tensile strength	>6.0N/mm ²	BS 6319 Part 7
Pull Off Strength (C&C)	>2.5 N/mm ²	BS EN 1015:12
Pull Off Strength (S&C)	>3.0 N/mm ²	BS EN 1881:207
VOC Content	<30	USEPA 24
Minimum service temperature	10°C	
Maximum Service temperature	60°C	
Chemical Resistance	Gasoline Petrol NaOH 20% H2SO4 10% HCL 10% Acetic 5% Ammonia 10% Butanol Hydrol	Excellent Excellent Excellent Excellent Excellent Excellent Very good Good

APPLICATION DETAILS

Surface Preparation

Substrate should be sound, clean and free from dirt, dust, laitance and all loosely adhering particles.

Application

New concrete floors

Should be at least 28 days old or have a moisture content of less than 5% before proceeding with **EPMORTAR FC®** application. Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical scrubbing or grinding. After preparing the floor, it should be thoroughly washed with clean water and then allowed to dry.

Old concrete floors

Again, mechanical cleaning methods are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may well have been absorbed several millimeters deep into the concrete. To ensure good adhesion all contamination should be removed and the surface thoroughly cleaned of all dust and loose debris. A thorough detergent wash is also recommended followed by thorough cleaning with clean water and mopping it off to a dry state.

Application

Once mixed **EPMORTAR FC®** should be applied immediately in various dry film thickness over holes and hair crack areas. Work the **EPMORTAR FC®** into the surface using Spatula, Trowel or Palette Knife. Excess application and paddling should be avoided. Over coating can be applied in cracks over 10mm wide.

Method of Mixing:

1. Pour Part B into Part A
2. For large volume mixing use a low speed drill and mix it for 3 min
3. Dilute with 10% Epoxy Thinner 1 "optional"
4. Over coating should be within 4-6 hours

THEORETICAL SPREADING RATE

Depending on the irregularities of the substrate

CURING

3 days from the date of final application depending on weather conditions



PROTECTION MEASURES

EPMORTAR FC® is Epoxy Based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- ☐ Splashes to skin must be washed off with water and Soap.
- ☐ Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

EPOXY BASED MORTAR

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.