

## DESCRIPTION

**EPO FIX C** is a ready to use single component product, only addition of water needed to produce a cohesive, sticky adhesive thin bed tile and ceramic fixing mortar. **EPO FIX C** powder is a blend of grey cement, selected fine sand, water retention agents and specially selected chemicals to enhance workability and application ease.

## USES

**EPO FIX C** is recommended for following applications:

- Fixing ceramic tiles on walls and floors.
- Bonding quarry tiles direct on concrete or sand cement renderings and clean non-glazed old terrazzo tiles.
- Suitable for the application of interior areas

## ADVANTAGES

- **Economical:** Low thickness of application affords a better cost and performance alternative to conventional method based on neat cement.
- **Easy to use:** mixed material is easily trowel applied and stickiness in the wet stage affords easy fixation of tiles.
- **Constant quality:** factory quality controlled pre-packed material.
- **Adhesion:** Excellent adhesion in the wet stage during application and in the fully cured stage.

## PRODUCT DATA

<b>Form</b>	Powder
<b>Color</b>	Grey
<b>Packing</b>	20 Kg Kraft Bag
<b>Mixing Ratio</b>	4.7±0.3 Kg Water for 20 Kg Powder
<b>Shelf life</b>	12 months, indoor, Dry conditions
<b>Coverage</b>	2 –5 Kg/m <sup>2</sup> ,Depending on the surface
<b>Layer Thickness</b>	2mm to 7mm

## TECHNICAL SPECIFICATION

Test Name	Standard	Average Result
<b>Appearance</b>	KSS 521	Smooth, No sign of disintegration homogenous, no blistering
<b>Density</b>	ASTM D 1875	1.90±0.1 Kg/Ltr
<b>Pot Life@25°C</b>	--	90 -120 min
<b>Open Time Tile Fixing(25°C)</b>	---	30 min
<b>Adjusting Tiles After Fixing(25°C)</b>	---	7-10 min
<b>Shear Adhesion Strength</b>		
<b>Condition A</b>	BS 5980	8.9 kN
<b>Condition C</b>		4.5 kN
<b>Condition D</b>		4.5 kN
<b>Open Time by Adhesion Strength</b>		
5 minutes	EN 1346	0.97 N/mm <sup>2</sup>
10 minutes		0.61 N/mm <sup>2</sup>
15 minutes		0.54 N/mm <sup>2</sup>
20 minutes		0.51 N/mm <sup>2</sup>
<b>Resistance to Mould growth</b>	BS 5980	Resistant
<b>Adjustability</b>		
<b>Condition 1</b>	BS 5980	730 N
<b>Condition 2</b>		450 N
<b>Slip Resistance</b>	KSS 521	0.33 mm
<b>Tensile Adhesion Strength</b>		
<b>Condition A</b>	BS 5980	950 N
<b>Condition C</b>		560 N
<b>VOC Content</b>	---	Nil

## LIMITATIONS

**EPO FIX C** is not suitable for tile installation on metal sheet, metal surfaces and installation over gypsum panels.

## SURFACE PREPARATION

Ensure the background on which tiles are to be fixed is dry, sound and free from any contamination. Tile should be fixed dry and not soaked with water. Allow new concrete and brick work at least 4 week curing and new cement/sand screed or render at least 2 weeks curing before fixing tiles.

## MIXING INSTRUCTIONS

4.7±0.3 Kg of water should be mixed with 20 Kg of **EPO FIX C**. For part mixes use 1 part of water and 4 parts of powder by weight. Mix for 2-3 minutes with suitable mixer/drill acceptable before application.

## APPLICATION AND TILES FIXATION

Spread only sufficient **EPO FIX C** White or grey over small areas of 1 sq. meter approximately that can be covered immediately with tiles in 30 minutes at 25°C. Tiles can be adjusted for 7 to 10 minutes after initial positioning.

Comp the mortar with a solid bed semi notched trowel or a notched trowel and press tiles firmly into position with a slight twisting motion to ensure solid bedding leaving no voids behind the tiles.

If preferred the **EPO FIX C** can be additionally buttered on the backs of the tile to ensure tiles make full contact with the substrates.

Under normal conditions, the tiles installed with **EPO FIX C** can be subjected to foot traffic 24 hours after fixing. Leave the joints about 3mm wide around floor tiles and 2mm wide around wall tiles. Clean and take out any tile mortar trapped between the tiles and insert plastic spacers.

**Grouting:** Grouting may be carried as soon as the tile bed is sufficiently firm normally after 24 to 48 hours. Use **EPO FUGAFLEX** range of products for this purpose. Do not use any neat cement/water slurry for grouting the tile joints.



## PRECAUTIONS

**Cleaning:** All equipment must be cleaned with water immediately after use. Mixes containing this product must not be emptied into drainage system.

**Protection:** All works must be protected from rain, frost until fully hardened and shaded from direct sunlight

**Storage:** Shelf life is 12 months when stored in dry conditions at moderate temperature and humidity.

## STANDARDS

BS-5980-TYPE 1 CLASS A  
BS EN 12004-C1E

## HEALTH AND SAFETY

**EPO FIX C** is non-toxic but mildly alkaline. Gloves should be worn during application. Splashes to the skin or eyes should be removed with clean water. In the event of prolonged irritation, seek medical advice.