

# MITCH FLOOR EP

## Epoxy Screed Flooring

### DESCRIPTION

**MITCHFLOOR EP** is a three component, heavy duty, solvent free epoxy resin based screed system. It's designed to provide continuous protection and repair solution for concrete floors in medium to heavy duty situations.

### USES

**MITCHFLOOR EP** floors have excellent mechanical properties and chemical resistance. It provides superior load bearing, wear resistant properties for areas subjected to heavy and abrasive traffic.

**MITCHFLOOR EP** may be used for all kind of process areas where the floor is subjected to medium to heavy duty trolley, pallet truck and abrasive traffic. Typical uses include chemical production and processing areas, Textile factories (bleaching and dyeing), automotive, metal processing & engineering facilities, warehouses, Food processing and manufacturing plants.

**MITCHFLOOR EP** may be used as epoxy repair mortar for concrete substrates.

### BENEFITS

- Attractive, enhances working environment.
- Durable, high mechanical strength and impact resistance and can form coves.
- Bond strength higher than cohesive strength of concrete.
- Hygienic – easy to clean.
- Non-tainting, non-dusting.
- Abrasion & slip resistant and hard wearing floor finish.
- Suitable for patch repairs and joint repairs.

### COVERAGE

1.11 Kg / SFT at 5 mm thickness

### PACKAGING

22.8 Kg packs, consisting of Base A, Hardener B and Filler C.

### COLOR & FINISH

Available in standard range of colors in Gloss / textured (back rolled) finish.

Batch to batch color variation may occur. Ensure that materials for final application are always drawn from the same batch.

### SPECIFICATION

#### SURFACE PREPARATION

All residues must be removed to provide a dry, dust free open textured surface.

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup> and above 10 °C, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS 8204 and free from rising damp and ground water pressure. Water proofing products can be incorporated directly beneath the **MITCHFLOOR EP** system.

#### PRIMING

All kind of substrates require at least one coat of **MITCHEPO PRIMER**. Porous substrate may require two coats.

#### MIXING

The A-component must be stirred for 2-3 minutes. Then the entire content of the B-component is emptied into the A- component. The two components are homogeneously mixed for at least 2-3 minutes using a suitable electric stirrer. The inclusion of air in the stirring process must be avoided. The mixture should be poured into another container and briefly stirred again. Add Component **C** in portions mixing well prior to each addition.

#### APPLICATION

Spread **MITCHFLOOR EP** to the required thickness over primed surface. Use a Steel blade trowel to finish. Lightly rolled finished surface with sponge roller to get a semi-gloss finished surface.

For coving place material to form a vertical edge then lay the base level with the edge of floor topping. Form the cove using a coving trowel.

<b>(A) Technical Data</b>	
<b>Liquid mixture (A+B+C)</b>	
1. Solids content	99 %
2. Solvents / additives	1 %
3. Density (20°C)	1.7 g/cm <sup>3</sup>
4. Viscosity (20°C)	2000–3000 mPas

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### SYSTEM PERFORMANCE GUIDE

The table shows how well the system complies with different characteristics. Complies with BS 8204-6/FeRFA category 5. 5 Excellent, 4 Very Good, 3 Good (Pass), 2 Fair, 1 Poor

Fire Safety	4	Impermeability	5
Slip Resistance	3	Clean ability	4
Impact Resistance	4	Wear Resistance	4
Thermal Resistance	3	Chemical Resistance	4
Heavy Traffic	5	Scratch Resistance	3

### SPEED OF CURE

	10 °C	20 °C	30 °C
Pot Life	90 min	60 min	40 min
Light traffic	36 hrs.	24 hrs.	24 hrs.
Full traffic	48 hrs.	36 hrs.	36 hrs.
Full chemical cure	10 days	7 days	7 days

### TECHNICAL INFORMATION

Fire Resistance	BS 476: Part 7: Surface spread of flame - Class 2 (indicative)
Impact Resistance Value	0.9 Kg steel sphere test. Rated as Excellent
Abrasion Resistance	BS 8204-2 Class AR2 – Medium duty industrial and commercial.
Water Permeability	Nil (impermeable)
Compressive Strength	55 N/mm <sup>2</sup> (BS 6319)
Flexural Strength	20 N/mm <sup>2</sup> (BS 6319)
Tensile Strength	8 N/mm <sup>2</sup> (BS 6319)
Bond Strength	Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. >1.5 MPas.
Toxicity (when cured)	Taint free to sensitive foodstuffs.

### AFTERCARE - CLEANING AND MAINTENANCE

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

### HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application, please take all precautionary measures to avoid any contact with eyes, mouth, skin and foodstuff. For further information consult the relevant health & safety data sheets.