



## EPFLOOR MM2

2 mm thick epoxy self levelling flooring

### Description

**EPFLOOR MM2** consists of graded aggregates bound in a pigmented epoxy resin binder. It is supplied as a four component system, pre- weighed for on-site mixing. When laid, it provides a smooth, light- reflective surface. It is available in a range of standard colors.

### Advantages

- Fast application will minimize downtime
- Good resistance to a wide range of chemicals
- Good abrasion resistance create durable floors
- Provides better hygienic floor condition
- Provide a dense, impervious, seamless floor surface which is easily cleaned
- Available in a wide range of colors to enhance the working environment

### Uses

- Kitchens
- Living room
- Industrial floorings
- Laboratories

### Compliance standard

- ASTM D2240
- ASTM C579
- BS1881: Pt 20
- ASTM D4060
- ISO 6272

## Technical Information

PROPERTIES	@ 25°C	@35°C
Pot Life	1 hour	20 mins
Compressive strength @7 days (BS 6319)	50 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>
Flexural strength @7 days (BS 6319)	34 N/mm <sup>2</sup>	34 N/mm <sup>2</sup>
Abrasion resistance	0.1mg/ cycle-loss of weight (ASTM D 4060) (with CS 17 wheel of 1000g weight)	
Shore D Hardness as per (ASTM D 2240)	80	
Cure time-Foot traffic	24 hours	16 hours
Vehicular traffic	48 hours	36 hours
Chemical resistance	7 days	4 days

## Method of application

- It is essential that EPFLOOR MM2 is applied to sound, clean and dry surfaces in order that maximum bond strength is achieved between the substrate and the flooring system.
- Laitance deposits on new concrete are best removed by light grit blasting, mechanical scrubbing or grinding.
- Existing concrete floors which require refurbishment must be prepared to ensure a strong adhesive bond between the flooring system and the existing floor. Mechanical cleaning methods are strongly recommended.
- Steel surfaces should be degreased and grit blasted should be done immediately prior to application.
- All surfaces to be treated with EPFLOOR MM2 should be primed with PEIMER 25, a solvent based epoxy resin primer designed for maximum absorption and adhesion to concrete substrates.
- EPFLOOR MM2 flooring is supplied in four pre-weighed packs (base, hardener, aggregate and colour pack) which are ready for immediate on-site mixing
- Mixing should be carried out using either a forced action mixer; or a heavy duty, slow-speed drill fitted with mixing paddle.
- The colour pack should be added to the base container and mixed for 15-30 seconds, until homogeneous. Then add the hardener and mix for further 30 seconds, until an even colour and texture is obtained
- It should be spread to the required thickness using a serrated trowel with care taken not to overwork the resin, spreading evenly and slowly. Immediately after laying, the material should be rolled, using a spiked nylon roller to remove slight trowel marks and to assist air release.

## Coverage

- 5m<sup>2</sup>/ 17 kg set @ 2 mm thickness.

## Packaging

- EPFLOOR MM2 is supplied in 17 kg set.

## Shelf life

- EPFLOOR MM2 has a shelf life of 12 months if kept in warehouse conditions at 30°C in the original, unopened pack.

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