

TECHFLOOR MORTAR

CHEMICAL AND ABRASION RESISTANCE EPOXY RESIN FLOOR SCREED / REPAIR MORTAR

DESCRIPTION

TECHFLOOR MORTAR is a three pack, solvent free epoxy resin system. In hardened conditions, Techfloor Mortar gives excellent hardness, abrasion resistance & chemical resistance. It can be laid on floor in 3mm to 15mm thick layer and has a very unique combination of base and selected hardener and filler, which together gives an excellent performance. It can also be used for repairing concrete / masonry structures.

FEATURES / ADVANTAGES

- Supplied in 3 pack system to ensure consistency and to reduce the risk of site error
- Easily applied as a universal screed in all industries with a coating on it
- Have excellent load bearing, abrasion resistance & chemical resistance properties
- Can also be used for small repairs of floors
- Seamless eliminates problems of joints
- Gives a non slip surface
- Gives excellent impact resistance

TYPICAL PROPERTIES

Base	: Epoxy resin
Color	: Sand color
Pot life at 30°C	: 40 + 15 minutes
Foot traffic	: 12 to 16 hours @ 30°C
Initial Hardness at 30°C	: 24 hrs. Max
Full cure at 30°C	: 7 days max.
Compressive Strength at 30°C	: 70 N/mm ²
Flexural strength at 30°C	: 25 N/mm ²
Tensile strength at 30°C	: 12 N/mm ²
Mixing Ratio (by weight)	: Base : Hardener : Filler
	2 : 1 : 21

TYPICAL APPLICATIONS

- Chemical industry, heavy industry, ramps where high wear resistance and chemical resistance is required
- Specially made for engineering plants, dairies, breweries, refineries, paint workshops, battery rooms & food processing plants
- Can also be used as a repair mortar

DIRECTIONS FOR USE

SURFACE PREPARATION

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The surface has to be cleaned to remove all loose particles, laitance oils & grease etc. All contaminations are got rid of both by mechanical methods like wire brushing, scrubbing and by using CHOKSEY'S MASTERKLEAN range of cleaning agents. The surface has to be dry to receive the Techfloor Mortar.

APPLICATION OF PRIMER

Masterprime-54-S is applied at the rate of 200 –250 g/m².

When primer is tacky Techfloor Mortar can be applied. Primer is not essential for certain repair jobs.

MIXING

Part II (Hardener) is first mixed with Part I (Base). Then the Part III (filler) is slowly poured into mix and mixed using mechanical stirrer. Mixing is done by a drilling machine-paddle arrangement with an rpm of 350 –400 for about 2 –3 minutes till a uniform mix is obtained.

APPLICATION

The mixed material should be applied to the already primed surface within 20 minutes. It should be applied when the primer surface is still “tacky”, care should be taken to see that Techfloor Mortar is firmly pressed into cracks to ensure good adhesion. The material can be built up to a maximum thickness of 12mm in case of vertical applications.

PRECAUTIONS

TECHFLOOR-MORTAR should be handled with gloves. If it falls on to eyes, they have to be washed with plenty of water and medical advice has to be taken. The tools can be cleaned with MASTERKLEAN range of cleaning agents.

COVERAGE

TECHFLOOR-MORTAR required per mm thickness per sq.mtr- 2 kg. to 2.2 kg

SUPPLY

8 kgs and 16 kgs packs and also as per customer requirements.

SHELF LIFE & STORAGE

1 year if stored in cool & covered conditions