



SOUND PMM

POLYMER MODIFIED MORTAR

Composition

It is a premixed single component cement polymer modified repair material. Can be used for both overhead and vertical surface areas. Blend of high quality hydraulic binders/fillers and processed Brown Silica Sand. Chemical additives are added to compensate for shrinkage, high early end final strength and is chloride free.

Area of Application

For the rehabilitation of deteriorated concrete, to reinforce structural strength.

Background Preparation

Damaged concrete should be thoroughly chipped to expose the corroded reinforcement. Clean and apply suitable protective coating where required to the reinforcement. Soak the area with clean water at least 3 Hrs prior to the application.

Mixing

Mix approximately 3.5 ltrs to 4.2 ltrs of water for 25 kg and mix with a mechanical mixer to achieve a homogeneous and workable mix. Water can be increased or decreased where required depending upon the site condition and workability required.

Specifications

European standard	EN 1504-3
Compressive strength	> 40N/ mm ²
Chloride content	≤ 0.05%
Adhesive bond	≥ 2 MPa
Restrained shrinkage/expansion	≥ 2 MPa
Carbonation resistance	passes test
Elastic modulus	≥ 20 GPa
Capillary absorption	≤ 0.5 kg/m ² h ^{0.5}
Reaction to fire	Euroclass A1

Packing

25 kg bags

Storage

Can be stored under shaded dry condition for a period of 6 months.

Application

Apply the Sound PMM on to the prepared background to ensure good compaction. PMM can be applied a maximum of 15 to 25 MM in one single coat. Additional layers can be applied leaving 24 Hrs between coats, also If required use SBR application on reinforced surface before using sound pmm.

- The concrete substrate must be completely clean and structurally sound
- The cavity of the surface to be repaired should be at least 10 mm thick
- The edges where concrete is removed, should be cut at an angle of 90° and to a thickness of at least 10mm
- Remove deteriorated concrete or mortar by hand or mechanical methods (chisel or high pressure water blasting) ensuring also the appropriate surface roughness
- Reinforcement should be cleaned from rust and any other loose and deleterious materials or add new bars if the existing are no longer appropriate
- Before applying sound PMM, the substrate should be saturated with water
- Remove excess water, if any
- In a clean bucket, initially pour the minimum amount of water indicated, start the mixer and add continuously. Mix (in low speed) until a homogeneous, without lumps, mixture is achieved
- Then leave the mixture to settle for 2 - 3 min and if necessary add water (according to the amount indicated), until the required consistency is achieved and mix for a further 2 to 3 minutes
- Hand mixing of the product is not recommended
- The mortar can be applied by trowel or sprayed
- The final levelling/smoothing of the surface may only begin once the mortar has started to set

Curing

After application, the mortar should be properly cured for at least 2 days. During the summer period with wet burlaps, spraying water or curing agents and during winter period should be protected from low temperatures with plastic sheets

Technical Assistance

The technical team at Sound Build Care Pvt Ltd. is ready to assist you anytime in case of any technical queries

Warranty

If applied as per the recommendation in the product data-sheet, SOUND PMM is guaranteed for the purpose of which it is recommended. We can not assume responsibility for misuse of our products. We assume no responsibility for the finished work as we have no control over factors such as mixing, application, background preparation, weather and other condition that may prevail at the time of applications.

SOUND BUILDCARE PVT. LTD.

Manufacturers of Building Construction Products

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