



EFM-111

EPOXY FLOORING MORTAR (SL Screed)

EFM-111 is a EPOXY based self leveling mortar, which is very widely used for Industrial flooring, Lining, and repair. This is an advanced polymer technology to meet various requirements of residential, commercial & industrial buildings, warehouses & godowns,

AREAS OF APPLICATION:

For all kinds of Civil repairs, where the need is for high durability, strength and finishing of work has to be done on emergency basis so that the work ends in the shortest possible time in Industrial and Chemical Plants – Oil Refineries – Fertilizer Plants – Paper Mills – Breweries – Sugar Mills – Jute mills – M.S. Tank can be considered for application on concrete, Plaster, Brick & asbestos sheet surfaces, and for the lining of the Concrete and metal tanks.

SURFACE PREPARATION:

Prepare the surface by removing all loose particles, dust, rust and millscale, sand blast cleaning, where-ever possible, is recommended, Mill-scale should be removed for optimum performance. Remove all other contaminants, oil greases etc. For concrete, plaster, brick and asbestos surfaces any loose contamination in the way of sand, Cement aggregate, etc. must be removed and the most effective method is by sand or grit blasting or water jet cleaning or by acid etching (Hydrochloric-10% solution, if required). The surface should be clean and dry before the application of EFM-111.

MECHANICAL PROPERTIES:

- * Has exceptional characteristics to mature with just 24 hours at room temperature and becomes tough.
- * Has exceptional hardness and thus withstands high impact and abrasion.
- * No shrinkage and exceptional dimensional stability.
- * Does not crack or split like conventional cement/sand mortar.

CHEMICAL PROPERTIES:

- * Resistant to all corrosive environments.
- * Highly closed cell structure does not permit any liquid to seep through its surface.
- * Oil repellent

Packing Available :- 14 kg. kit

PHYSICAL PROPERTIES AND MIXING DIRECTIONS:

Type	: Three Component.(Silica sand to be added as per thickness reqd.)
Mixing ratio.	: 2.5 parts of resin (base) to 01 part of Hardner by weight.
Pot life	: 45 Minutes: - 60 minutes
Touch dry	: 6 Hrs.
Hard dry	: 12 Hrs.
Curing time	: 24 Hrs.

Mix separately epoxy component "A"(Base) = 2.5 kg and component "B"(Hardner) = 1 kg in a small plastic bucket or any other open mouth container thoroughly , now pour slowly filler (quartz/silica sand) and mix whole aggregate so thoroughly that all particles become well stained i.e. the sand should not look DRY or have dry portions, lumps etc. The total mix now thus can be applied over primed surface.

PRECAUTIONS

1. Ensure that the surface is dry and clean before application
2. Keep the container closed after each withdrawal of material
3. Wipe the lid, clean with a dry and clean cloth after each withdrawal.
4. Unused drawn material should never be put back into containers.
5. Keep the container in a dry place and away from moisture and flame
6. Mixed batch has pot life only 45-60 minutes and as such, batch should be mixed of quantity, which the masson can apply within 45-60 minutes.
7. Rubber Hand - gloves shall be worn while withdrawing epoxy chemicals and mixing mortar.

NOTES

- Do not apply during rain fog or mist.
- While applying EFM-111 Screed in confined places, arrangements for adequate ventilation must be ensured.
- Smoking or naked lights should not be permitted and flame-proof equipment's should be correctly earthed.
- Masks should be worn when applying. To avoid skin contamination, use barrier cream and or disposable gloves. Wash hands and face regularly with hot-water and soap.
- Brushes and spray equipment should be cleaned with thinner; otherwise equipment is liable to be damaged.

Disclaimer:-

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