

## General Description:

EPOXY GROUT & MORTAR is a two-component based on epoxy resin and hardener with selected filler aggregates. It is formulated for floor grouting, minor imperfections and cracks and a repair mortar of uneven surfaces.

## Major Uses:

- Filler for joints and pinholes prior to overcoating of floortopping and floorcoating systems.
- Crack filler from hairline up to 3mm. depth.
- Resurfacer for uneven and irregular substrates.

## Advantages:

- Solvent – free, low odor.
- Ease of application.
- Chemical resistant
- Abrasive resistant
- Hygienic.
- Good Adhesion.

## Characteristics and Physical Properties:

Colour	Red, Cement Grey, Yellow
Specific Gravity	1.7 (mixture)
Volume Solids	100%
Pot Life @ 30 <sup>0</sup> C	2 - 4 Hrs.
Drying Time @ 30 <sup>0</sup> C	10 - 12 Hrs.
Overcoating	24 Hrs.
Shelf Life	1 Year in close container.
Compressive strength	70 N/mm <sup>2</sup> @ 7 days.

## Chemical Resistance:

Water, de – ionized	- Very Good.
Sulphuric Acid, 1%	-Good.
Nitric Acid, 30%	- Good.
Acetic Acid, 10%	- Good.
Caustic Soda, 20%	- Good.
Petrol	- Very Good.
Toluene	- Very Good.
Styrene	- Very Good.
Skydrol (Hydraulic Fluid)	- Good.

## Surface Preparation:

- New concrete or cementations substrates should be at least 28 days old and the moisture content of the substrates should be less than 5%.
- All laitance and loose materials must be removed from the concrete surface. If the concrete is strong and sound, this may be achieved by acid etching followed by thorough washing with water, the floor must be left to dry.
- Cracked and damaged concrete or heavy laitance should be prepared by grit blasting until a solid surface is reached showing exposed aggregate.
- All dust and debris should then be removed. Surfaces contaminated with oil or grease should be flamed cleaned and thoroughly wash with a good detergent.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

## MAS PAINTS & CHEMICAL INDUSTRY

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## Mixing and Application:

Mix thoroughly resin part and hardener as per specified mixing ratio. The entire contents of hardener should be emptied into the base container and both components should be mixed with slow RPM drill provided with mixing paddle until homogenous mixture is obtained. Mixing of small quantity can be made manually due to the easy application of the product, various tools such as trowels, putty knife or squeezer can be used after mixing. The material can be taken from the can and subdivided onto spot board for individual applications.

EPOXY GROUT AND MORTAR can be over coated with H.D. Floortopping # 700, H.D. Floortopping # 900 and all Epoxy Floorcoatings at specific overcoating intervals. It is essential to slightly abrade the mortar for a perfect adhesion.

## Limitations:

- Do not mix part packs under any circumstances.
- EPOXY GROUT AND MORTAR should not be exposed on running water.
- Do not expose to heavy rainfall prior to final set that will cause colour change.
- Do not mix excess material.

## Storage:

Keep resins and hardeners in a cool, dry place, out of direct sunlight and protected from extreme temperatures. Shelf life is up to one year in a close container.

## Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

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## Coverage:

As a guideline, the theoretical spreading rate at 200 microns is about  $3\text{m}^2 / \text{kg}$ . ( $5 \cdot 1 \text{m}^2 / \text{lit.}$ )

## Packing:

Available in 1 ltr. Set, 4 lit. Set, 20 lit. Set.

## Physiological Hazards:

EPOXY GROUT AND MORTAR does not contain solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. The mixture, in its liquid state is non – flammable but harmful if swallowed. If contact with eyes occurs, cleanse with fresh water and seek immediate medical advice.

