

## EPOXY MORTAR

Epoxy Mortar is a three part, epoxy based general purpose repair mortar. Specially formulated for its slower curing characteristics, giving longer working time. It is chemical and abrasion resistant and is ideal for repairing concrete, stone, bricks, metals, pointing, in fact, it is ideal for repairing most industrial materials. Use for repairing steps, ramps, kerbs, cills and heavy walk way areas. Once cured, Epoxy Mortar can be left in its natural state or can be overcoated

### Characteristics & Advantages

- Long working life
- Excellent chemical resistance
- Wear resistant
- High physical and mechanical properties

### Substrate Preparation

Remove all dust and loose materials from the repair area to achieve a solid sound surface. Particular attention should be made to loose or friable concrete, which should be removed by mechanical means. On sections such as worn steps the worn area should be cut back to give a level base. Prior to application the area should be clean, dry, sound and ideally primed to achieve maximum adhesion.

### Application & Mixing

Add the preweighed resin and hardener into the mixing container and stir until a streak-free even mix is obtained. Add the preweighed graded aggregate, mix slowly with mechanical agitation until a homogenous mix is obtained. Smaller volumes can be mixed, but ensure the mixing ratio of the resin base and hardener are strictly followed - 2 parts volume of resin to 1 part hardener. Aggregate can be added to suit the consistency required.

Spread the mixed mortar ideally over a primed area using a steel float. (The primer should be still wet and tacky to aid adhesion). A smooth surface can be obtained by finishing with a clean steel float which has had the face dampened with a small quantity of water. Do not apply across expansion joints and only take up to the slab edge.

After the filler has cured the expansion joint can be refilled with an appropriate flexible filler.



### Typical Properties

<b>Cured Density</b>	1.85 g/cm <sup>3</sup>
<b>Working Life/Gel Time @ 20°C</b>	90 minutes
<b>Cure Time (Traffic) @ 20°C</b>	16 Hours
<b>Cure Time (Chemicals) @ 20°C</b>	7 Days
<b>Flexural Strength</b>	> 25N/mm <sup>2</sup>
<b>Compressive Strength</b>	50N/mm <sup>2</sup>
<b>Coverage</b>	0.5m <sup>2</sup> @ 5mm depth
<b>Minimum Application Temp</b>	5°C

### Health & Safety

Epoxy Mortar resin is classified as an irritant, whilst the hardener is harmful and corrosive. The aggregate contains Portland cement and is also classified as an irritant. Avoid contact with the skin and eyes. Splashes to the skin should be removed using soap and water. For further information refer to the Safety Data Sheet.

### Important

The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, as Oxera Repair Products Limited cannot know the varied uses to which its products may be applied, or the methods of application used, no warranty as to the fitness or suitability of its products is given or implied. It is the users responsibility to determine suitability of use.

