

Epoxy Mortar

SURFACE PREPARATION

The surface must be structurally sound, free from oil, grease and other forms of contamination. Concrete should be surface dry and suitably prepared either by scabbling or grit blasting to remove any surface laitance. Steel surfaces should be grit blasted to remove all rust and scale.

MIXING AND PRIMING

Epoxy Mortar comprises three components, a Resin, Hardener and Filler. These are supplied pre-weighed in the correct proportions. Under no circumstances should part mixing be carried out.

Priming is done using part of the mixed Resin and Hardener from the Mortar. The exception is for large area thin section repairs which will need a separate primer.

- Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Hardener container into the Resin container.
- Using a mixer attached to a slow speed electric drill, mix for approximately 2 minutes until a uniform consistency is obtained.
- Prime the surface with the mixed Resin and Hardener. Ensure that the surface is thoroughly wet and that there is a continuous film of resin over the surface. Pay particular attention to cracks.
- Transfer the rest of the mixed resin to a separate container or forced action mixer such as a Creteangle.
- Add the filler gradually and mix for a further 2 minutes or until the filler has thoroughly wetted out to give a uniform consistency.
- Apply Epoxy Mortar between 15 minutes and 1 hour after application of the primer, whilst the primer is still tacky.

Never mix Epoxy Mortar by hand as this could lead to areas of uncured material.

APPLICATION

- Apply Epoxy Mortar by tamping followed by trowelling before the primer has hardened.
- Apply the Mortar in successive layers not exceeding 25mm. Compact each layer well before applying more material.
- If required (e.g. for a cove), shape the Mortar to the required profile and trowel to a smooth finish.
- Trowelling can be aided by lightly wiping the trowel with Adawall resin Cleaner.

If formwork or shuttering is to be used a suitable release agent should be used to prevent Epoxy Mortar adhering to it.

WORKING TIME

Epoxy Mortar has a working time of approximately 30 minutes at 20°C. Mixed material should not be left standing for any length of time before application, as this will considerably reduce its working time.

CLEANING

Clean uncured material with Adawall Resin Cleaner. Cured material can only be removed mechanically.

CURING

Epoxy Mortar should be allowed to cure for 18 hours at 20°C before being subjected to foot traffic. At the same temperature, full mechanical and chemical properties are achieved after 7 days.

WORKING CONDITIONS

Epoxy Mortar should not be applied at temperatures below 5°C.