

## Reparoxyd polymer mortar

### APPLICATION ADVICE

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**Form of delivery:** Reparoxyd Primer and the polymer mortars Reparoxyd are two component products. They are delivered in buckets for mixing the various adjustable ratios of the liquid and the powder component.

**Substrate preparation:** The cement based substrate must be at least 14 days old, dry and free from anti-adhesive substances, such as oil, fat and release agents as well as slurries. Make sure that the surface is rough enough, e.g. through exposing the grain. Loose flooring remnants and all dust must be removed. Old paint or other forms of coating should also be removed. Otherwise extensive tests to determine compatibility and adhesion will be necessary. Cavities must also be exposed.

To resist mechanical load, the substrate has to have an adequate strength and sustainability. The heavier the load, the higher the strength requirements. In practise, a very smooth substrate surface is not advantageous. A rough and closed surface structure complies with the requirements.

It is not allowed to apply Reparoxyd on reverse moistened substrates. The risk of losing adhesion is increased.

At sub-zero temperatures the substrate must be defrosted and dried. The surface tensile strength of the substrate must be in compliance with the relevant technical regulations.

It is not allowed to apply Reparoxyd on magnesite and anhydrite screeds.

**Testing the substrate:** Prior to repair with Reparoxyd the conditions of the substrate must be tested. The following list of questions should be addressed:

- Maximum permitted residual moisture of the substrate: 6 %
- Substrate compressive strength: min. C 20/25
- Pull off strength: on average min. 1.5 N/mm<sup>2</sup>, lowest single value 1.0 N/mm<sup>2</sup>
- Visual check for damage due to reinforcement corrosion, chip off or open cracks
- Check for reverse moisture by consulting with the owner and designer. Inspect the drawings and plans and if necessary take a sample drill core.

**Mixing:** Before application the two components must be mixed at the prescribed mixing ratio, using a slow rotating mechanical mixer (approx. 300 - 400 rev/minute). Make sure that the materials are thoroughly mixed. The mixing is only complete, when a homogenous mixture has been achieved. If necessary pour into another bucket and mix again.

**Primer:** Using roller or brush prime the substrate with Reparoxyd Primer. Subsequently Reparoxyd should be applied fresh in fresh after approx. 0.5 hours (at 20 °C). The adhesion on non-primed concrete depends on the absorbency of the concrete substrate and on the layer thickness of Reparoxyd.

**Application:** Reparoxyd can be used in a pouring as well as a troweling consistency. Tools needed are trowel, spatula or jointing iron.

**Further advice:** Before the acrylate mortar has hardened, the tools should be cleaned. Please refer to the technical data sheet.

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**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100004856]