General Application Advice

For Reparoxyd acrylate mortars

Application Notes

Form of Delivery
Reparoxyd Primer and the acrylate 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. though 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/mm², lowest single value 1.0 N/mm²
- 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 absor-bency 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.

Edition 05/19. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 2041-101 50 • Fax: +49 (0) 2041-101 588
info@mc-bauchemie.de • www.mc-bauchemie.de