

## Hydraulic-setting manhole frame grouting mortar

### APPLICATION ADVICE

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**Substrate Preparation:** The substrate must be clean and free from loose matter, dust, oil, grease, cement slurries and other materials that would prevent a good bond. The surface tensile strengths of the substrate must conform to the relevant technical regulations. Destroyed or damaged areas must be removed back to sound concrete substrate.

**Pre-wetting:** The substrate must be pre-wetted before the grouting mortar is applied. Where the substrate is highly absorbent it will need to be pre-wetted several times. Apply the mortar to the damp but not saturated substrate. All traces of excess water must be removed.

**Mixing:** Pour out the water, scatter the dry mortar into it and mix to a uniform, lump-free workable mortar consistency. Pug mill mixers and double stirrers are suitable for mixing mortar. Information on suitable mixing equipment and mixing time can be found in the technical data sheets. Mixing by hand and mixing of partial quantities is not allowed.

**Processing / Application:** Apply the mortar immediately after mixing. To prevent air pockets, pour the mortar continuously from one side only. The mortar can be encouraged to flow by poking it with a wire loop. Mix only as much grouting mortar as can be applied within the stated processing time.

Avoid heavy vibrations and shaking close to the site during application and curing period (temperature-dependent) of the grouting mortar.

The application time depends on the climatic conditions and rises with decreasing temperature.

Material in the process of setting must not be stirred or made workable again. Observe the minimum processing temperatures for substrate, air and material. Do not work at temperatures below + 5 °C. Initiate suitable measures to prevent the temperature falling below that value during the curing phase.

**Curing:** Depending on the thickness of the grouting mortar, a certain amount of heat is given off during the curing/setting process. Appropriate steps must be taken to avoid the risk of cracking if the mortar dries out too rapidly. If there is raised shuttering, it will be recommended to pour water on to the damp but drying mortar surface, up to the edge of the shuttering. Do not use chemical post-treatment agents.

**Reworking/Surface Coating:** The grouting mortar must not be taken up to the level of the roadway where its surface would carry traffic without consulting the supplier. A surface coating of cold asphalt, hot asphalt or similar material must be applied in a sufficient thickness to protect the grouting mortar from traffic or direct dynamic loads.

**Safety Advice:** The safety advice for cement-bound materials and substances must be observed. Protective clothing, protective gloves and safety glasses / face protection must be worn when using this product. Observe the safety advice and hazard notices on the labels and safety data sheets. The relevant safety data sheets can be downloaded from [www.mc-bauchemie.de](http://www.mc-bauchemie.de).

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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. [2300018979]