



General Application Advice

For hydraulic-setting manhole frame grouting mortar

Application Advice

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 without consulting the supplier where its surface would carry traffic. 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.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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