



# General Application Advice

## For hydraulically setting grout concrete and grout mortar

### Handling Information

#### Substrate Preparation

The substrate must be free of anti-adhesive substances like oil, grease, dust or cement slurries. Broken or damaged areas must be removed providing a firm base. The concrete surface to be grouted must be pre-wetted thoroughly and sufficiently. Excess water must be removed completely.

#### Mixing

Grouts are mixed with a forced mixer or a slow-moving agitator (max. 400 rpm). The mixing time must be at least 3 minutes. The grout powder is poured into the prepared clean water and stirred thoroughly until lump-free. Only full sacks should be used.

#### Application

The grout is applied immediately after mixing. To avoid trapping air it should be poured in continuously from one side. Poking with a wire sling can assist the flowing process.

During application and within the first few hours after pouring, strong vibrations and shocks near the grouted area must be avoided.

#### After-treatment

Depending on the grout thickness the setting or hardening process of grouts is accompanied by intensive heat development. Accelerated drying of the grout (danger of cracking!) must be counteracted with suitable measures. If a high-sided mould is being used, we recommend pouring water onto the partially dried, matt-moist surface up to the level of the mould edge.

Grouts of early strength class A can usually be demoulded approx. after 24 hours (at +20°C). After this period the strength development has proceeded far enough to allow post tensioning bracing to be loaded. In the case of intensive sun and draft exposure, protection of the de-moulded grout-sides with a chemical curing agent is recommended. The curing period, dependent on the product, is between 3 and 5 days.

#### Notice

Grouts are suitable for the grouting of galvanized steel elements in interior spaces. When using outdoors, prevent the contact area between the galvanized element and the grout from coming into contact with water.

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

**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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