

Coarse Mortars / Concrete Replacement Systems

APPLICATION ADVICE

Substrate preparation: The concrete substrate is to be prepared in a manner to ensure a solid and durable bond can be achieved between the coarse mortar/concrete replacement to be applied and the concrete substrate (old concrete). Thus the concrete substrate must be clean and free from all loose particles, dust, oil and any other contaminants. Cement laitance must be removed. The surface tensile strength of the concrete substrate must comply with the relevant technical regulations. The substrate must also exhibit sufficient surface roughness. Thus the surface-near, coarse aggregates must be exposed in domed shape.

Reinforcement: Exposed reinforcing steel is to be de-rusted in accordance with EN ISO 12944-4. It must be free from rust and any other separating or corrosion inducing substances. Compressed air blasting with solid grit is the most suitable cleaning method. Reinforcing steel to be coated must be prepared at least to degree of blasting Sa 2 1/2.

Reinforcing steel that remains uncoated must be prepared that the entire exposed area complies with degree of blasting Sa 2. The instructions in the relevant regulations are to be observed.

Bond coat: Before application of the bond coat the substrate must be pre-wetted. In case of highly-absorbent substrates a repeated pre-wetting might be necessary. The bond coat must be thoroughly brushed into the matt-moist, but not water-saturated substrate. Following this application step the coarse mortar/concrete replacement is applied fresh-in-fresh into the matt-moist bond coat. If applied by wet spraying technique a bond coat is not necessary.

Application conditions: The application time depends on climatic conditions. Material which has begun to stiffen must not be mixed again and must not be used. The minimum application temperatures for substrates, air and materials of + 5 °C must be observed.

At temperatures below + 5 °C application must be stopped. All necessary measures to prevent a drop below this temperature during the curing phase must be taken.

Multiple layer application: Application can be done in one or more layers. If two or more layers are applied, each subsequent layer of coarse mortar/concrete replacement must be applied while the previous one is sufficiently stiff but not dried out. If the previous layer is dried-out it must be pre-wetted and a bond coat must be applied beforehand.

Curing: Curing according to the indications given in the technical data sheets.

General information: The application conditions indicated in the technical data sheets generally relate to the material, substrate and air.

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. [2100004826]