



BE SURE. BUILD SURE.

MC-RockMortar HS

Highly sulphate resistant, microsilica-modified sculpting mortar

Area of Application

- Fine and precise sculpting works at statically mechanically and sulphate loaded artificial rock surfaces, e.g. seawater areas
- Certified according to EN 1504 part 3 for principle 3 and 7, procedure 3.1, 3.3, 7.1 and 7.2
- Certified according to AS/NZS 4020:2018 -Testing of products for use in contact with drinking water.

Product Properties

- One-component, only to be mixed with water.
- Application by hand and wet spraying technique
- High carbonation resistance.
- Low active alkali content.
- Resistance to temperature, frost-thaw and de-icing salts.
- High water retention.
- Open to water vapour diffusion and impermeable to water
- Easy application and excellent adhesion properties.
- Available in various colours.
- Class R3 according to EN 1504 part 3.

Application

Substrate preparation

The substructure is dependent on the project and must be prepared by the customer.

Mixing

MC-RockMortar HS is added to the prepared water under constant stirring and mixed until a homogeneous and lump-free mortar is achieved. Forced action mixers or slowly rotating double mixers must be used for mixing. Mixing by hand and preparation of partial quantities is not permitted. Mixing takes 3 minutes.

Mixing ratio

Please see "Technical Data" table. For a 25 kg bag of MC-RockMortar HS approx. 4.5L litres of water are required. As with other cement-bound products the quantity of added water may vary.

Application

MC-RockMortar HS can be applied by hand or wet spraying. The material may be applied in one or more layers. A worm pump with adjustable discharge flow is advised for spray application. Please request our assistance.

Finishing

Following application MC-RockMortar HS may be smoothed and finished using a wooden or plastic float.

Curing

MC-RockMortar HS must be protected from too fast drying due to direct sun exposure and wind. Conventional curing time is 3 days.



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Technical Data for MC-RockMortar HS

Characteristic	Unit	Value	Comments
Largest grain size	mm	2.5	
Fresh mortar density	kg/dm ³	1.90	
Compressive strength	N/mm ²	15 25 40	After 1 day After 7 days After 28 days
Dynamic E-modulus	N/mm ²	25,100	After 28 days
Application time	minutes	45	at + 23 °C
Mixing ratio	p.b.w.	100 : 18-20	MC-RockMortar HS : water * Refer to the water dosage on the respective bags, as this may vary for different mortar colors

Product Characteristics for MC-RockMortar HS

Colour	Cement-grey
Delivery	25 kg bags
Storage	Can be stored in cool and dry conditions for 12 months in originally sealed packs
Disposal	Packs must be emptied completely.

* All technical values have been determined at + 23 °C and 50 % relative humidity

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.

Edition 08/24. 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.