



MC-RIM PROTECT-BC

Highly sulphate resistant, mineral based bond coat for use in sewage industry

Product Properties

- One-component
- Cement-bound
- Easy to spread
- Low effective alkali content
- Short overworking times
- Certified according to EN 1504 part 3

Areas of Application

- Bond coat for MC-RIM PROTECT-H
- Classified according to EN 1504 part 3 as system component for principle 3, procedure 3.1

Application

Substrate Preparation

The substrate must be clean and free from all loose particles, dust, oil and any other contaminants. The surface tensile strength of the substrate must comply with technical standards. To achieve sufficient roughness the surface-near aggregates must be exposed.

Mixing

MC-RIM PROTECT-BC is added to the prepared water under constant stirring and mixed until homogeneous and lump-free. Slowly rotating mixers are suitable for mixing. Mixing takes 5 minutes.

Mixing Ratio

Please refer to the "Technical Data" table. For a 20 kg bag of MC-RIM PROTECT-BC approx. 3.2 to 3.4 litres of water are required. As with other cement-bound products the quantity of added water may vary.

Application

Prior to application of MC-RIM PROTECT-BC the substrate must be pre-wetted. Very absorbent substrates must be pre-wetted several times. MC-RIM PROTECT-BC must be thoroughly brushed into the slightly moist, non-saturated substrate. Standing water or puddles are not permitted and must be avoided. Only apply as much of the bond coat as can be overcoated fresh-in-fresh. Short-bristled brushes are suitable for application.

If used on floor areas MC-RIM PROTECT-BC can also be applied by spraying using a spiral pump with a discharge flow of < 1 litre per minute. If applied by spraying the bond coat must be worked in subsequently.



Technical Data MC-RIM PROTECT-BC

| Characteristic | Unit | Value* | Comment |
|------------------------|--------------------|--------------------------|--|
| Fresh mortar density | kg/dm ³ | approx. 2.20 | - |
| Coverage* (dry mortar) | g/m ² | 1,000 | - |
| Application time | minutes | 75 60 45 | at + 5 °C at + 20 °C at + 30 °C |
| Application conditions | °C | ≥ 5 - ≤ 35 ≥ 5 - ≤ 30 | air- and substrate temperature material temperature |
| Mixing ratio | p.b.w. | 100 : 16 - 17 | MC-RIM PROTECT-BC : water |

Product Characteristics MC-RIM PROTECT-BC

| | |
|---------------------|--|
| Colour | cement-grey |
| Delivery Storage | 20 kg bags Can be stored in cool and dry conditions for at least one year in original unopened packs. Protect from frost. |
| Disposal | Packs must be emptied completely. |

* The coverage rates depend on roughness and temperature of the substrate as well as storage and application temperature. To determine the project-specific coverage we recommend to lay a sample area.

** All technical data relate to + 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 08/16. 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.