

MC-Special (DM)

Hydrophobic Waterproofing Compound for Production of Watertight Concrete

Product Properties

- Capillary blocking effects
- Good plasticizing properties
- Forms permanent watertight concrete
- Reduces segregation and consumption of gauging water
- Improves workability of the concrete

Areas of Application

- Construction of waterproof buildings
- For constructions exposed to different atmospheric conditions
- For constructions exposed to pressurized water

Application

Application

MC-Special (DM) can be used with all kinds of standard cements. MC-Special (DM) is strewn over the concrete during the mixing process. If MC-Special (DM) is added at the batching plant, no additional mixing is needed. If added at the site into the concrete truck, rotate the drum at high speed for at least 3 minutes to ensure proper mixing.

The quantity of MC-Special (DM) added amounts to 1 - 3% of the cement weight per cubic metre of ready-mixed concrete depending on project requirements. Please contact our technical department for advice and approval.

Composition of the concrete

The composition of concrete to obtain waterproof concrete is:

Concrete strength class \geq G 30, W/C ratio < 0.5 , minimum cement content is 350 kg/m³.

The consistency must be such that - according to the required mode of compacting - an unobjectable compactness is obtained. A smoother consistency (standard consistency) is advantageous to improve workability of the concrete and to achieve a tighter concrete structure.

Adequate curing of the concrete is essential to protect the concrete from drying out too rapidly.

Apart from that, the provisions of DIN 1045 are to be observed for the preparations of the concrete.

Technical Information for MC-Special (DM)

Characteristic	Comments
Type of Additive	Waterproofing compound, hydrophobic
Form	Powder, free from chlorides
Typical Dosage	1 - 3% of cement content, optimal dosage to meet project requirements should be determined via trial mixes. Please contact our technical department for advice and approval.

Product Characteristics for MC-Special (DM)

Packaging	20 kg bag
Storage	Can be stored in shaded, cool and dry conditions for 12 months in original unopened packs.
Disposal	In the interest of the environment, please empty all bags completely & in accordance with local regulations.

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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