



MC-Special (DM)

Hydrophobic waterproofing compound for the fabrication of permanently capillary-proof and watertight concrete

Product Properties

- Contraction of capillary 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 resistant against aggressive media

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. When adding the gauging water, it must be considered that the amount of mixing water is reduced by approx. 10 %.

The quantity of MC-Special (DM) added amounts to 1 % of the cement weight, but never less than 3 kg per cubic metre of ready-mixed concrete.

Composition of the concrete

The composition of concrete to obtain waterproof concrete is:

Concrete strength class \geq G 30, W/C ratio \leq 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
Test reports	CT-3251 / CHF, CT-3251 / JAS / 6
Form	Powder, free from chlorides
Consumption	1% of cement weight, but at least 3 kg/m ³ concrete

Product Characteristics for MC-Special (DM)

Packaging	20 kg bag
Storage	Shelf-life is 6 months if kept in a cool and dry place.
Disposal	Bags must be emptied completely

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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