

MC-PowerFlow evo 302

newest generation of MC-superplasticizers for highest requirements in precast concrete production



PRODUCT PROPERTIES

- Very efficient plastification
 - Very high water reduction
 - Sufficient workability time
 - Optimized rheology of concrete
 - Reduced viscosity / stickiness
 - Good stability and robustness of the concrete
 - Excellent compactibility
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- Fast strength development
 - Economic dosage
 - Free of corrosion promoting components

AREAS OF APPLICATION

- Precast concrete
- Fair-faced concrete
- Concrete with high flowability
- Self-compacting concrete (SCC)
- Concrete with high resistance against aggressive media
- High strength concrete
- Optimized energy demand in production and placing

APPLICATION ADVICE

MC-PowerFlow evo 302 is the result of the ongoing development and innovation of the PCE-technology of MC-Bauchemie.

MC-PowerFlow evo 302 significantly supports improved rheological properties of concrete. The reduced stickiness leads to a very good pumpability and workability, even under difficult conditions like high temperatures etc. The energy consumption for the production and processing of the concrete can be optimized.

The special reaction mechanism enhances the development of high early strength. Therefore, MC-PowerFlow evo 302 is particularly suitable for the pre-cast concrete production.

MC-PowerFlow evo 302 provides stable concrete over a large consistency-range.

The implementation of clinker-optimized binders as well as materials with minor properties is supported.

MC-PowerFlow evo 302 is added to the concrete during mixing. It is most effective when added after the addition water.

Please note the "General Information on the Use of Concrete Admixtures".

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments |
|--|---|--------|---------------------------|
| Density | kg/dm ³ | 1.05 | ± 0.02 kg/dm ³ |
| Recommended dosage range | g | 2 - 50 | per kg cement |
| Chloride content (maximum) | % | < 0.1 | mass fraction |
| Alkaline content (maximum) | % | < 1 | mass fraction |
| Type of admixture | plasticiser per EN 934-2: T3.1/3.2, Concrete plasticisers EN 934-2: T 2 | | |
| Designation of admixture | MC-PowerFlow evo 302 | | |
| colour shade | bright yellow | | |
| form | liquid | | |
| Notified body | MPA, Karlsruhe | | |
| In-company production control | DIN EN ISO 9001 / DIN EN 934-6 | | |
| Certificate of conformity of in-company production control | 0754-CPR | | |
| Colour code of label | yellow/grey | | |
| delivery form | 200 kg drum 1,000 kg container | | |

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. [2100004732]