



MC-PowerFlow evo 303

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

Product Properties

- Very efficient plastification
- Very high water reduction
- Optimized rheology of concrete
 - Reduced viscosity / stickiness
 - Good stability and robustness of the concrete
 - Excellent compactibility
- 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

MC-PowerFlow evo 303 is the result of the ongoing development and innovation of the PCE-technology of MC-Bauchemie.

MC-PowerFlow evo 303 significantly supports improved rheological properties of concrete. The reduced stickiness leads to a very good pumpability and workability. 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-Power-Flow evo 303 is particularly suitable for the precast concrete production.

MC-PowerFlow evo 303 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 303 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 Data for Product MC-PowerFlow evo 303

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	approx. 1.06	± 0.02
Recommended Dosage	g	2-50	per kg of cement
Max. chloride content	% per weight	< 0.10	-
Max. alkali content	% per weight	< 1.0	-

Product Characteristics for Product MC-PowerFlow evo 303

Type of Admixture	Superplasticizer EN 934-2: T3.1/3.2 (concrete plasticizer EN 934-2: T2)
Name of Admixture	MC-PowerFlow evo 303
Colour	Yellowish
Consistency	Liquid
Certificate of Conformity of the factory production control	0754-CPR
Notified Authority	MPA, Karlsruhe
Internal Production Supervision in accordance with DIN EN ISO 9001 / DIN EN 934-2/6	
Colour Code	grey / yellow
Form of Delivery	200 kg barrels 1,000 kg containers

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 refer 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 11/20 Some technical changes have been made to this information. Older editions are invalid and may not be used anymore. If a technically revised edition is issued, this edition becomes invalid.