



MC-PowerFlow evo 501

Newest generation of MC-superplasticizers for highest requirements to the rheology of ready mixed concrete

Product Properties

- Very fast mixing in concrete
- Efficient plastification
- Reliable long slump retention
- Optimized rheology of concrete
 - Reduced viscosity / stickiness
 - Good stability and robustness of the concrete
 - Improved pumpability and pumping stability
 - Good compactibility
- Good compatibility with air-entraining admixtures
- Fast strength development
- Free of corrosion promoting components

Areas of Application

- Ready mixed concrete
- Concrete with high flowability
- Self-compacting concrete (SCC)
- Recycling concrete
- Good compatibility with clinker-reduced cements
- Optimized energy demand in production and placing

Application

MC-PowerFlow evo 501 is the result of the ongoing development and innovation of the PCE-technology of MC-Bauchemie. It was already developed under aspects of the future challenges to the production of RMC.

MC-PowerFlow evo 501 not only provides efficient and economic plastification but also a reliable slump retention. Additional dosage for a subsequent correction of the consistency on site is therefore in most cases no longer necessary.

MC-PowerFlow evo 501 supports significantly improved rheological properties of the 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 implementation of alternative materials like clinker-optimized binders, recycled aggregates or recycling water as well as materials with minor properties are supported.

MC-PowerFlow evo 501 is added to the concrete during mixing. It is most effective when added after the addition water. It requires relatively short mixing times to develop its full plasticizing effect. Therefore, a fast and economic concrete production is assured.

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



Technical Data for Product MC-PowerFlow evo 501

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	approx. 1.04	
Recommended Dosage	g	2-50	per kg of cement
Max. chloride content	% per weight	< 0.10	-
Max. alkali content	% per weight	< 2.0	-

Product Characteristics for Product MC-PowerFlow evo 501

Type of Admixture	Superplasticizer EN 934-2: T3.1/3.2 (concrete plasticizer EN 934-2: T2)
Name of Admixture	MC-PowerFlow evo 501
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.

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