



# MC-PowerFlow 6300

## High-Performance Superplasticizer - with stabilizing effects

### Product Properties

- Long slump retention
- Good water reduction
- Good stabilisation at high consistencies (F5-F6, SCC)
- Economic dosage
- Fast mixing in concrete
- Low adhesiveness
- Good compatibility with air-entraining admixture

### Areas of Application

- Concrete with high fluidity
- For combinations with composite-cement
- Self-compacting concrete (SCC)
- Ready mixed concrete

### Application Notes

MC-PowerFlow 6300 is a synthetic superplasticizer based on the newest MC-Polycarboxylatether-technology.

The specific functioning-mechanism makes it possible to produce concrete with extremely low water contents and excellent workability. The desired properties of the fresh concrete can be achieved with moderate dosages.

The stabilizing effect of MC-PowerFlow 6300 allows the production of homogeneous concrete mixes with high flowability. Moderate deviation of the water content due to dosage accuracy can be buffered.

MC-PowerFlow 6300 requires relatively short mixing times to develop its full plasticizing effect. Therefore, a fast and economic concrete production is possible.

MC-PowerFlow 6300 is added to the concrete during mixing. It is most effective when added after the addition water. It is also possible to dose it with the added water.

The mixing time should be long enough to allow the admixture to unfold its plasticizing effect during mixing.

The frequently occurring slump losses with conventional plasticizing admixtures can be reduced considerably in many cases.

An additional dosage of the superplasticizer, for a subsequent correction of the consistency on site is therefore in most cases no longer necessary. In some exceptional cases of dosage on building site in vehicles of ready-mixed concrete, please follow the corresponding set of rules.

MC-PowerFlow 6300 has been developed to provide long slump retention. The frequently occurring slump losses with conventional plasticizing admixtures can be reduced considerably in many cases.

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

For further information, please call our concrete-technology consulting service.

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## Technical Data for MC-PowerFlow 6300

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	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	< 1.5	-

## Product characteristics for MC-PowerFlow 6300

Type of Admixture	Superplasticizer EN 934-2:T 3.1/3.2 (concrete plasticizer EN 934-2: T 2)
Name of Admixture	MC-PowerFlow 6300
Colour	Brown
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

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

**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.

Edition 06/18. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.