



MC-PowerFlow 3130

High-Performance Superplasticizer of the new MC-Generation

Product Properties

- Minimal adhesiveness
- Short mixing-time
- Above average water-saving
- High initial strength
- Rapid effect
- Free of corrosion promoting components
- Economic dosage
- High-quality concrete surfaces

Areas of Application

- Pre-cast elements
- High-strength concrete
- Fair-faced concrete
- High-performance concrete
- Concrete with high flowability
- Concrete with high resistance against aggressive agents
- Self-compacting concrete (SCC)
- Ready-mixed concrete

Application Notes

MC-PowerFlow 3130 is a superplasticizer based on the newest MC-Polycarboxylatether-technology. A strong plastification results from a high adsorption rate.

A special reaction mechanism enhances the development of high initial strength. Therefore MC-PowerFlow 3130 is particularly suitable for the pre-cast concrete production. It is possible to achieve high quality fair-faced concrete.

Therefore it is possible to achieve economic dosages. The mixing time is reduced and the dosage can be realized before or after adding water.

MC-PowerFlow 3130 provides concrete with reduced stickiness, improving the workability and placing.

The special polymer-combination permits to produce homogenous concrete without segregation.

The usage of MC-PowerFlow 3130 enables over the whole consistency range a stable, not segregating concrete. With an unchanged water content the consistency can be increased by several consistency classes.

MC-PowerFlow 3130 can be used in combination with other MC admixtures. In individual cases please contact our concrete technology department for advice.

Using it in ready-mixed concrete it is important in case of construction dosage in vehicle to have a look at the rules.

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



Technical Data for MC-PowerFlow 3130

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	< 2.0	

Product characteristics for MC-PowerFlow 3130

Type of Admixture	Superplasticizer EN 934-2: T3.1/ 3.2 (Concrete plasticizer EN 934-2: T2)
Name of Admixture	MC-PowerFlow 3130
Colour	Brown
Consistency	Liquid
Certificate of Conformity	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 10/18. 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.