



# MC-PowerFlow 1114

## High-Performance Superplasticizer Based on the MC-Polymer-Technology

### Product Properties

- Above average water- saving
- Economic dosage
- High initial strength
- High- quality concrete surfaces
- Free of corrosion promoting components

### Areas of Application

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

### Application Notes

MC- PowerFlow 1114 is a synthetic superplasticizer based on the MC- Polycarboxylatether-technology. The development of the initial strength is enhanced. Therefore MC- PowerFlow 1114 is especially appropriate to use in factories for pre-cast elements and in producing prestressed concrete.

The specific functioning mechanism makes it possible to produce concrete with extremely low water contents and high- performance concrete with excellent processing properties with economic dosages.

With an unchanged water content the consistency can be increased by several consistency classes.

The special combination of the active agent permits to produce homogenous concrete without segregation. Thereby MC- PowerFlow 1114 can achieve fair faced concrete with high- qualities.

Subsequent cosmetical putty- work is minimized.

MC PowerFlow 1114 can be used in combination with other MC admixtures. But in individual cases please ask for our advisory service for concrete-technology.

MC- PowerFlow 1114 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.

In case of dosage on construction site in vehicles of ready- mixed concrete, please follow the corresponding rules.

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



### Technical Data for MC- PowerFlow 1114

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	< 1.0	

### Product characteristics for MC- PowerFlow 1114

Type of Admixture	superplasticizer EN 934-2: T3.1/ 3.2 (concrete plasticizer EN 934-2: T2)
Name of Admixture	MC-PowerFlow 1114
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 10/08. 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.