

MC-PowerFlow 7897

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

Product Properties

- Good water-saving
- Long slump retention
- Suitable for high clay containing mix designs
- Fast mixing in concrete
- Low adhesiveness
- Economic dosage
- Good stabilization at high consistencies
- Free of corrosion promoting components

Areas of Application

- Ready mixed concrete
- For combinations with composite-cement
- Concrete with high flowability

Application Notes

MC-PowerFlow 7897 is a synthetic superplasticizer based on the newest MC-Polycarboxylatether-technology.

The specially 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.

MC-PowerFlow 7897 has been developed to provide long slump retention. 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.

The special combination of the active agent permits the production of homogeneous concrete of all consistency classes. With an unchanged water content the consistency can be expanded to the highest consistency categories (F5 / F6).

MC-PowerFlow 7897 is added to the concrete during mixing. 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 completely. If a dosage on the construction site into the concrete trucks is necessary, please follow the corresponding rules.

MC-PowerFlow 7897 can be used in combination with other MC admixtures. In individual cases please ask for our advisory service for concrete-technology.

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

Technical Data for MC-PowerFlow 7897

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.09	
Recommended Dosage	%	0.8-1.5%	per kg of cement
Max. chloride content	% by weight	< 0.10	
Max. alkali content	% by weight	< 1.0	

Product characteristics for MC-PowerFlow 7897

Type of Admixture	superplasticiser EN 934-2: T3.1/3.2 (concrete plasticizer EN 934-2:T2)
Name of Admixture	MC-PowerFlow 7897
Colour	Light brown
Consistency	liquid
Internal Production Supervision in accordance with	DIN EN ISO 9001 / DIN EN 934-2/6
Form of Delivery	205 Liter barrels IBC containers

Property specifications are based on laboratory tests and may vary in practical applications. 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 08/19. 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.