



MC-Montan Shotcrete SP

High-Performance Superplasticizer for the wet-mix
Based on the newest MC-Polymer-Technology

Product Properties

- Long slump retention
- Fast mixing in concrete
- Very good homogeneous concrete
- Good water reduction
- Economic dosage
- Good stabilisation at high consistencies
- Free of corrosion promoting components

Areas of Application

- Wet-mix at use of shotcrete
- Ready mixed concrete
- For combinations with composite-cement

Application

MC-Montan Shotcrete SP is a synthetic superplasticizer based on the newest MC-Polycarboxylate-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.

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

Due to its stabilizing effect it is possible to produce very homogeneous concretes. Therefore MC-Montan Shotcrete SP is specially designed for wet mix application in shotcrete.

MC-Montan Shotcrete SP 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.

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

The "MC-Business Unit Tunnelling" is available for individual consultation and optimization of the application on site.



Technical Data for MC-Montan Shotcrete SP

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.06	-
Recommended range of Dosage	g	2 - 30	per kg of cement
Max. chloride content	% per weight	≤ 0.10	-
Max. alkali content	% per weight	≤ 2.0	

Product Characteristics for MC-Montan Shotcrete SP

Type of Admixture	Superplasticizer EN 934-2: T3.1/3.2 (concrete plasticizer EN 934-2: T2)
Name of Admixture	MC-Montan Shotcrete SP
Colour	brownish
Consistency	liquid
Storage	Protect from direct sunlight and store frost free! Can be stored in closed original container for at least 6 months.
Factory production control	According to DIN EN ISO 9001
Certificate of Conformity of the factory production control (Europa)	0754-CPD
Colour Code (Germany)	grey / yellow
Form of Delivery	1,000 kg IBC

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.

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