

MC-PowerFlow evo 580

Newest generation of MC-superplasticizers for highest requirements to the rheology of ready mixed concrete

Product properties

- Short mixing time
- Very high water reduction
- Reliable long slump retention even under difficult conditions
- Optimized rheology of concrete:
 - Reduced viscosity / stickiness
 - Good stability and robustness of the concrete
 - Improved pumpability and pumping stability
 - Excellent compactibility with different cements
- Good compatibility with air-entraining admixtures
- Fast strength development
- Free of corrosion promoting components

Areas of application

- Ready mix concrete
- Concrete with high flowability
- Self-compacting concrete (SCC)
- Recycling concrete
- Good compatibility with clinker-reduced cements
- Optimized energy demand in production and placings

Application advice

MC-PowerFlow evo 580 is the result of the ongoing development and innovation of the PCE-technology of clinker-optimized binders, recycled aggregates or MC-Bauchemie. It was already developed under recycling water as well as materials with minor aspects of the future challenges to the production of properties are supported.

RMC.

MC-PowerFlow evo 580 not only provides efficient and economic plastification but also a reliable slump retention. Additional dosage for a subsequent correction of the consistency on site is therefore in most cases no longer necessary.

MC-PowerFlow evo 580 supports improved rheological properties of the concrete. The reduced stickiness leads to a very good pumpability and workability. The energy consumption for the production and processing of the concrete can be optimized.

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

MC-PowerFlow evo 580 technical values

Characteristic	Unit	Value	Comments
Density	kg/dm ³	~ 1,05	+ - 0,03
Recommended Dosage	g	2-50	Per kg cement
Max. Chloride Content	% mass	< 0,10	-
Max. Alkali Content	% mass	< 1,0	-

MC-PowerFlow evo 580 characteristics

Type of Admixture	Superplasticizer EN 934-2:T 3.1/3.2
Name of Admixture	MC-PowerFlow evo 580
Colour	Brown
Consistency	Liquid
Declaration of performance	Available at www.mc-bauchemie.pl
Internal Production Supervision in accordance with	According to EN ISO 9001/EN 934-2/6
Form of Delivery	200 kg barrel 1 000 kg IBC container

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. The information we provide complies with the requirements of the Engineering Regulations, which must be followed during the use of material. Our company assumes responsibility for the accuracy and compliance of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our specialists deviating from the information given in this data sheet are only binding if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed.

Revision 20230302-PL. Minor changes have been made to this information. Previous revisions shall be considered invalid and non-applicable. This revision will become void with the release of the new data sheet revision.

Annex 1, to the technical datasheet according with LST EN 934-1 1st Table

Technical data for MC-PowerFlow evo 580			
Characteristic	Unit	Value	Comments
Homogeneity	yes		
Color	brown		
Effective component	Polycarboxylates		
Absolute density	kg/dm ³	~1,055	
Conventional dry material content	%	28	
pH value		4,2	
Total chlorine	%	No information	
Water soluble chloride	%	<0,1	per weight
Alkali content (Na ₂ O equivalent)	%	<1,0	per weight
Silicon dioxide SiO ₂ content	%	No information	