MC-PowerFlow evo 502

newest generation of MC-superplasticizers for highest requirements tot he rheology of ready mixed concrete

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Very fast mixing in concrete
- Efficient plastification
- 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
  - Good compactibility
- Good compatibility with air-entraining admixtures
- Fast strength development
- Free of corrosion promoting components

AREAS OF APPLICATION

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

APPLICATION ADVICE

MC-PowerFlow evo 502 is the result of the ongoing development and innovation of the PCE-technology of MC-Bauchemie. It was already developed under aspects of the future challenges to the production of RMC.

MC-PowerFlow evo 502 not only provides efficient and economic plastification but also a reliable slump retention even under difficult conditions.

Additional dosage for a subsequent correction of the consistency on site is therefore in most cases no longer necessary.

MC-PowerFlow evo 502 supports significantly improved rheological properties of the concrete. The reduced stickiness leads to a very good pumpability and workability. The enengy consumption for the production and processing of the concrete can be optimized.

The implementation of alternative materials like clinker-optimized binders, recycled aggregates or recycling water as well as materials with minor properties are supported.

MC-PowerFlow evo 502 is added to the concrete during mixing. It is most effective when added after the addition water. It requires relatively short mixing times to develop its full plasticizing effect.

Therefore, a fast and economic concrete production is assured.

Please note the “General Information on the Use of Concrete Admixtures”.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm³	approx. 1.03	± 0.02 kg/dm³
Recommended dosage range	g	2 - 50	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 0.5	mass fraction

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Self-monitoring	EN ISO 9001
Type of admixture	High range water reducing admixtures/superplasicizing admixture for concrete - EN 934-2:T3.1/3.2 , Water reducing/plasticizing admixture for concrete - EN 934-2:T2
Designation of admixture	MC-PowerFlow evo 502
Colour	bright yellow
Form	liquid
Notified body	Karlsruher Institut für Technologie (KIT) Materialprüfungs- & Forschungsanstalt, MPA Karlsruhe, Notified Body number: 0754
In-company production control	EN ISO 9001, EN 934-6
Colour code of label	yellow/grey
Delivery form	200 kg drum 1,000 kg container

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BZM10

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