MC-PowerFlow 1120

high-performance superlasticizer based on the newest MC-Polymer-Technology

BE SURE. BUILD SURE.

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 ADVICE

MC- PowerFlow 1120 is a synthetic superplasticizer based on the newest MC- Polycarboxylatether- technology. The development of the initial strength is enhanced. Therefore MC- PowerFlow 1120 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 per- mits to produce homogenous concrete without segregation and with low tackiness. Thereby MC-PowerFlow 1120 can achieve fair faced concrete with high-qualities.
Subsequent cosmetical putty-work is minimized.

MC PowerFlow 1120 can be used in combination with other MC admixtures. But in individual cases please ask for our advisory service for concrete- technology.

MC- PowerFlow 1120 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”.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm³	approx. 1.06	± 0.02 kg/dm³
Recommended dosage range	g	2 - 50	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 1.0	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 1120
Colour	brown
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 934-2/6
Colour code of label	yellow/grey
Delivery form	230 kg drums 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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