



MC-PowerFlow 1130

High- Performance Superplasticizer of the new MC- Generation

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 Notes

MC- PowerFlow 1130 is a synthetic superplasticizer based on the newest MC- Polycarboxylatether-technology. The development of the initial strength is enhanced. Therefore MC- PowerFlow 1130 is especially appropriate to use in factories for pre-cast elements and in producing prestressed concrete.

The specific functioning mechanism makes it possible 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 permits to produce homogenous concrete without segregation. Thereby MC- PowerFlow 1130 can achieve fair faced concrete with high- qualities.

Subsequent cosmetical putty- work is minimized.

MC PowerFlow 1130 can be used in combination with other MC admixtures. But in individual cases please ask for our advisory service for concrete-technology.

MC- PowerFlow 1130 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".



Technical Data for MC- PowerFlow 1130

| Characteristic | Unit | Value | Comments |
|-----------------------|--------------------|--------------|------------------|
| Density | kg/dm ³ | approx. 1.05 | |
| Recommended Dosage | g | 2-50 | per kg of cement |
| Max. chloride content | % per weight | < 0.10 | |
| Max. alkali content | % per weight | < 1.0 | |

Product characteristics for MC- PowerFlow 1130

| | |
|---|---|
| Type of Admixture | superplasticizer EN 934-2: T3.1/ 3.2 (concrete plasticizer EN 934-2: T2) |
| Name of Admixture | MC-PowerFlow 1130 |
| Colour | brown |
| Consistency | liquid |
| Certificate of Conformity | 0754-CPD-02-1065.2 |
| Notified Authority | MPA, Karlsruhe |
| Internal Production Supervision in accordance with DIN EN ISO 9001 / DIN EN 934-2/6 | |
| Colour Code | grey / yellow |
| Form of Delivery | 200 kg barrels 1.000 kg containers tank trucks |

Property specifications are based on laboratory tests and may vary in practical application. 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 04/08. 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.