



MC-TechniFlow 33

Plasticizer / Superplasticizer

Product Properties

- Suitable to use in combination with clay-rich sand
- Good slump retention
- Cost effective dosage
- Intensive dispersion of the cement paste
- Easier application, spreading and compacting
- Decreases internal frictional forces within the concrete
- Free of corrosion promoting components

Areas of Application

- Ready-mixed concrete
- Concrete for road constructions

Application Notes

MC-TechniFlow 33 is a concrete plasticizer / superplasticizer based on the newest MC-Polymer technology. It is designed for the production of ready-mixed concrete and can be used in combination with all standard cement types.

MC-TechniFlow 33 features a robustness in application and interaction with other concrete additives (for example cement, fly ash, blast furnace slag or clay containing sand).

MC-TechniFlow 33 reduces the surface tension of the water. As well as having an intense dispersing effect, this results in strong plastification of the concrete, even if the amounts added are small. The aggregation of cement particles is reduced. The cement is better wetted and finely broken up. This creates easily workable concrete which requires little compaction.

If MC-TechniFlow 33 is used to reduce the

demand for added water and the resulting concrete has improved solid concrete properties (compressive strength, durability).

Depending on the type of cement used, as well as on the temperature and weather conditions, there might be a retarding side effect. This can be determined with a suitability test.

MC-TechniFlow 33 is added to the concrete during mixing. It is most effective when added after the additional water is added. Mixing time should be chosen such that MC-TechniFlow 33 can develop its plasticizing effect.

MC-TechniFlow 33 can be additionally dosed on site regardless which plasticizing admixtures have been added to the mixture at the concrete plant.

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



Technical Data for MC-TechniFlow 33

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.04	± 0.01
Recommended Dosage	%	2 - 30	Per kg of cement
Max. Chloride Content	%	< 0,10	Per weight
Max. Alkali Content	%	< 2.5	Per weight

Product characteristics for MC-TechniFlow 33

Type of Admixture	superplasticizer EN 934-2: T 3.1/3.2 (plasticizer EN 934-2: T 2)
Name of Admixture	MC-TechniFlow 33
Colour	Brownish
Consistency	Liquid
Certificate of Conformity of the factory production control	0754-CPR
Notified Authority	MPA, Karlsruhe
Internal Production Supervision in accordance with	DIN EN ISO 9001 / DIN EN 934-2/6
Form of Delivery	200 kg barrels Containers

Properly 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 11/18. 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.