

Muraplast FK 48

Superplasticizer

Product Properties

- Free of corrosion promoting components
- Intensive dispersion of the cement paste
- Good homogeneity of the concrete due to the chemical-physical effect
- Decreases the internal frictional forces within the concrete
- Strong plasticization, thereby decreasing the amount of water required
- Application, spreading and compaction of concrete is made easier
- Cost effective dosage

Areas of Application

- Prefabrication
- Ready mixed concrete
- High-strength concrete
- Steel fibre concrete
- Industrial flooring

Application Notes

Muraplast FK 48 is a superplasticizer and can be used in combination with all standard cement types.

Muraplast FK 48 can be added on site. The original consistency can be F2, F3, or F4, if this consistency category has been attained by adding a plasticizing concrete admixture.

Muraplast FK 48 causes strong plasticization 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.

Muraplast FK 48 strongly reduces the water requirement. By lowering the w/c-value initial and final strengths are increased considerably.

Without increasing water content, it is possible to enhance the consistency by several consistency classes, e.g. from F2 to F6.

Muraplast FK 48 can be used in combination with other MC products in concrete.

Muraplast FK 48 is added to the concrete during mixing. It is most effective when added after the initial water. It is also possible to apply it with the added water. The mixing time should be long enough to allow the admixture to unfold its plasticizing effect during mixing. Please refer to the relevant regulations, especially if the admixture is added into the supply truck on the construction site.

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



Technical Data for Muraplast FK 48

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.20	± 0.03
Recommended Dosage	g	2 - 40	per kg of cement
Max. Chloride Content	%	< 0.10	per weight
Max. Alkali Content	%	< 6.0	per weight

Product Characteristics for Muraplast FK 48

Type of Admixture	superplasticizer EN 934-2: T 3.1/3.2 (concrete plasticizer EN 934-2: T 2)
Name of Admixture	Muraplast FK 48
Colour	brown
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	230 kg barrels containers

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 10/18. 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.