

# Muraplast FK 77

## 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 internal frictional forces within the concrete
- Strong plasticization decreasing the water demand
- Cost effective dosage

### Areas of Application

- Pre casting industry
- Ready mixed concrete
- High strength concrete
- Steel fibre concrete
- Industrial flooring

### Application Notes

Muraplast FK 77 is a strong plasticizing admixture for the manufacture of concretes with consistencies of categories F2-F6. Strong plasticization can be achieved even with only small dosages.

Muraplast FK 77 can be used in combination with all standard cement types.

Muraplast FK 77 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.

Even small amounts of Muraplast FK 77 cause strong plasticization due to its intensive dispersing effect. The aggregation of cement particles is reduced. The cement is better wetted and mixed to a smooth mixture. This creates easily workable concrete which requires little compaction.

Muraplast FK 77 greatly reduces the water requirement. By lowering the water/cement ratio, a con-

siderable increase in the early and final concrete strength is possible.

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

Muraplast FK 77 can be used in combination with other MC-admixtures.

Muraplast FK 77 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 77

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	approx. 1.22	± 0.03
Recommended Dosage	g	2 - 50	per kg of cement
Max. Chloride Content	%	< 0.10	per weight
Max. Alkali Content	%	< 6.0	per weight

### Product Characteristics for Muraplast FK 77

Type of Admixture	superplasticizer EN 934-2: T 3.1/3.2 (concrete plasticizer EN 934-2: T 2)
Name of Admixture	Muraplast FK 77
Colour	brown
Consistency	liquid
Certificate of Conformity of the factory production control	0754-CPR
Notified Authority	MPA, Karlsruhe
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 12/18. 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.