

Muraplast FK 20

Plasticiser



PRODUCT PROPERTIES

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

AREAS OF APPLICATION

- Ready mixed concrete
- Reinforced concrete
- Industrial flooring

APPLICATION ADVICE

Muraplast FK 20 is a strong plasticizing admixture for making concrete in the consistency categories F2 to F6. Strong plastification can be achieved with low dosages.

Muraplast FK 20 can be used in combination with all standard cement types.

Muraplast FK 20 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 20 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.

Muraplast FK 20 can be used in combination with air entraining agents and other MC products in concrete.

Muraplast FK 20 is added to the concrete during mixing. It is most effective when added after the additional 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".

Storage tanks should be cleaned regularly, to prevent the formation of sediment from inert suspended particles.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.1	± 0.02 kg/dm ³
Recommended dosage range	g	2 - 50	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 3	mass fraction

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Type of admixture	plasticiser per EN 934-2: T3.1/3.2, Concrete plasticisers EN 934-2: T 2
Designation of admixture	Muraplast FK 20
colour shade	brown
form	liquid
Notified body	MPA, Karlsruhe
In-company production control	DIN EN ISO 9001 / DIN EN 934-2/6
Certificate of conformity of in-company production control	0754-CPR
Colour code of label	grey/yellow
delivery form	200 kg drums 1,000 kg container Tank truck

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BZM10

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100004602]