

# Muraplast FK 98

Plasticiser



## PRODUCT PROPERTIES

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

## AREAS OF APPLICATION

- Pre casting industry
- Ready mixed concrete
- Exposed and facing concrete
- Steel fibre concrete

## APPLICATION ADVICE

Muraplast FK 98 is a superplasticizer and can be used in combination with all standard cement types.

Muraplast FK 98 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 98 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 98 improves the cohesive properties of the concrete. This decreases bleeding and the tendency to de-mix.

High quality surfaces for exposed and facing concrete can be achieved.

Muraplast FK 98 greatly reduces the water requirement. By lowering the water/cement ratio, a considerable 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 98 can be used in combination with other MC admixtures.

Muraplast FK 98 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 VALUES & PRODUCT CHARACTERISTICS

| Characteristic             | Unit               | Value        | Comments                  |
|----------------------------|--------------------|--------------|---------------------------|
| Density                    | kg/dm <sup>3</sup> | approx. 1.25 | ± 0.03 kg/dm <sup>3</sup> |
| Recommended dosage range   | g                  | 2 - 50       | per kg cement             |
| Chloride content (maximum) | %                  | < 0.1        | mass fraction             |
| Alkaline content (maximum) | %                  | < 6          | 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 98   |
| colour shade   | brown   |
| form   | liquid  |
| Notified body  | MPA, Karlsruhe  |
| test certificates  | ,   |
| In-company production control                              | 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. [2100004530]