

# Muraplast FK 63.17

high performance superplasticizer



## PRODUCT PROPERTIES

- Free of corrosion promoting components
- Low dosage
- High water saving
- High initial strength
- Significantly shorter laying period

## AREAS OF APPLICATION

- Ready mixed concrete
- Self-compacting concrete (SCC)
- High-strength concrete
- Pre-cast elements
- Concrete with high resistance against aggressive environments

## APPLICATION ADVICE

Muraplast FK 63.17 is a synthetic multicarboxylatether (MCE) based superplasticizer. It is especially suited to the manufacture of high-performance concretes.

The new mechanism is based on the sterical repulsion of the cement particles. This mechanism allows the manufacture of concretes with extremely low water/cement ratios resulting in degrees of workability surpassing that of conventional flow concretes. This is often possible even with low dosages.

Muraplast FK 63.17 promotes early strength development. It is therefore especially suited for use in the pre-cast industry and for the manufacture of pre-stressed concrete.

The active ingredient in the admixture reduces the usual slump.

The new active ingredient allows the manufacture of non-demixing concretes that are stable for the entire consistency class.

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

Muraplast FK 63.17 can be used in combination with other MC admixtures.

Muraplast FK 63.17 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. 1.04	± 0.02 kg/dm <sup>3</sup>
Recommended dosage range	g	2 - 50	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 0.5	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 63.17
colour shade	light 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. [2100004607]