BETOFLUID P500

Go to TDS

Additives

HIGH-PERFORMANCE SUPERPLASTICIZER.

PRODUCT DESCRIPTION

Betofluid P500 P is a high-performance superplasticizer and water reducer in powder form, based on polycarboxylate (PCE) polymer technology.

FIELD OF APPLICATION

Betofluid P500 P is formulated for use in cementitious dry mortar or dry concrete applications. Especially suitable for cements with high C3A, sulphate and alkali content but also for a wide range of calcium sulphate or ternary binder systems. Betofluid P500 P is universally applicate and can be used for the production of:
- Calcium sulphate and cement-based screeds and self-levelling screeds and underlayments
- Non-shrink grouts, and anchor grouts, tile adhesives injection an repair mortars
- Building plaster, render, stucco, bonding/filling compound, molding plaster, dental & medical plaster
- Self-levelling and self-compacting concretes with low w/c-ratio.

CHARACTERISTICS

- High water reduction at low dosage, resulting in shorter drying times, higher densities and strengths
- Reduced processing and compaction efforts due to very good flow and self-levelling behaviour
- Particularly high activity in systems with pH-value > 12
- Reduced mixing times due to fast adsorption
- High initial flow, long slump life and processing time
- Improved shrinkage and creep behaviour
- Low influence on hydration, resulting in low activator/accelerator consumption
- Compatible with cements with high C3A, sulphate and alkali content
- Compatible with other additives (e.g. fruit acids, such as citric acid)
- Free of formaldehyde and ammonia.

APPLICATION PROCEDURE

Betofluid P500 is either added simultaneously with the water of the concrete mix. Betofluid P500 may be combined with many other products and is compatible with all types of cements and cementitious materials.

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DOSAGE

Depending on the application the dosage varies from 0.05 - 0.5 % of the binder weight.

PACKAGING

Betofluid P500 is supplied in:
– 20 kg plastic bag.

SHELF LIFE-STORAGE

Original sealed packaging of this product is guaranteed to be of first quality for 12 months if stored in a dry area. The high humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

BETOFLUID P500 is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear gloves and goggles and to take the usual precautions taken for the handling of chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet. PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA

Product identity	
Composition:	Modified polycarboxylates
Appearance:	Powder
Colour:	White
Density:	0.65 kg/Lt at +20°C
Equivalent sodium oxide:	≤ 2,0%
Total Chloride Ion Content:	≤ 0,10 %
pH	approx. 4

EMISSION CLASS FOR BUILDING MATERIAL
M1

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