



HIGH RANGE SUPERPLASTICIZER AND RETARDING ADMIXTURE FOR CONCRETE.



PRODUCT DESCRIPTION

Betofluid S45 P is a high-performance superplasticizer and water reducer in powder form, based on polycarboxylate (PCE) polymer technology.

FIELD OF APPLICATION

- Ready-mixed concrete for watertight structures: purification plants, reservoirs, canals, tunnels, etc.
- Ready-mixed concrete for structures in reinforced and pre-stressed concrete exposed to aggressive agents: beams, columns, bridge-decks and viaducts;
- Ready-mixed quality concrete for structures with R higher than 25 MPa;
- Mass pours where it is necessary to reduce thermal stresses caused by the heat generated in cement hydration: dams, foundation-mats for high-rise buildings, etc.

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-leveling 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 S45 is either added simultaneously with the water of the concrete mix. Betofluid S45 may be combined with many other products and is compatible with all types of cements and cementitious materials.

DOSAGE

Depending on the application the dosage varies from 0.5 - 1.5 % of the binder weight.

PACKAGING

Betofluid S45 is supplied in:

- 1 kg plastic can
- 5 kg plastic can
- 10 kg plastic can
- 1000 kg plastic can.

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 S45 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	
Appearance	Liquid
Colour	Brown
Density	1.05 kg/Lt at +20°C
Equivalent sodium oxide	≤ 0.5%
Total chloride ion content	≤ 0.10 %
pH-Value	approx. 4



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