

## BETTOMENT PPC

Polycarboxylic Ether Based High Water Reducing /  
Hyperplasticizing Concrete Admixture

### MATERIAL DESCRIPTION

**BETTOMENT PPC is a polycarboxylic ether based, hyperplasticizing concrete admixture that reduces the water/cement ratio of concrete and increases the durability and early strength of concrete.**

### AREAS OF USE

- In precast and prefabricated concrete production,
- Where he needs to stay early,
- Production of colored precast concrete
- In the production of all kinds of colored precast concrete,
- Gypsum and cement based screeds and plaster works,
- Cast and mold plasters,

### ADVANTAGES

- Increases workability with less water in mixtures with fine granulometry.
- Reduces the amount of water in the mixture,
- Increases early and ultimate compressive and tensile strength, adherence of concrete to steel and impermeability,
- Provides perfect spreading of concrete in the mold,
- Increases the resistance of concrete against freezing and thawing,
- **BETTOMENT PPC** does not contain chlorine.

### TECHNICAL SPECIFICATIONS

Structure of the Material	Polycarboxylic Ether Based
Color	Light Brown
Density	1.13 ± 0.05 kg/liter
Chlorine Content % (EN 480-10)	< 0,1
Alkali Content % (EN 480-12)	< 3

Note: The above values were obtained at +20°C and 50% relative humidity.



## APPLICATION METHOD

Liquids and powders are listed in the recipe prepared according to the results obtained by laboratory work. Liquids - Water, **BETTO- MENT PPC**, **BETTOLATEX** are weighed and loaded into the mixer. Powders are loaded into the mixer from fine to thick according to the fineness module. Mixing is ensured. Slump is taken and the desired consistency is controlled.

## EXPENDITURE

**BETTOMENT PPC** should be used at a ratio of 0.2 to 1.5% by weight of cement, depending on the cement type and site conditions.

## PACKAGING

30 kg plastic drums and 200 kg barrels.

## SHELF LIFE

12 months from the date of production under appropriate storage conditions. Opened packages can be resealed and used throughout their shelf life.

## STORAGE

In original packaging, above ambient temperature +5 °C should be stored in places where it is available. If the material that is not stored in suitable environments freezes, the product should be thawed by keeping it at room temperature without using direct heat and should be mixed by mechanical methods until it becomes homogeneous. Compressed air should not be used in the mixing process.


## SECURITY MEASURES

Application areas must be ventilated. During the application, work clothes, protective gloves, goggles and masks should be worn in accordance with the Occupational Health and Safety rules. Due to the irritating effects of uncured materials, the components should not come into contact with the skin and eyes, in case of contact, wash immediately with plenty of water and soap, and in case of ingestion, consult a doctor immediately. Food and beverage products should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, Material Safety Data Sheet should be consulted.

## RESPONSIBILITY

The data contained in this technical document are based on our scientific and practical knowledge. **BETTON Construction Chemicals San.ve Tic. Ltd. Şti.** is only responsible for the quality of the product.

**BETTON Yapı Kimyasalları San.ve Tic. Ltd. Şti.** cannot be held responsible.

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<b>BETTOMENT PPC</b> Bettoment PPC is a polycarboxylic ether based, hyperplasticizing concrete admixture that reduces the water/cement ratio of concrete, increases the durability and early strength of concrete. Table 3	
Chloride Content	Class 1
Alkali Content	Max. 0.1 kg/m <sup>2</sup> h <sub>2</sub> O
Water Reduction	%13
Compressive Strength	235.5% in 1 day 127.3% in 28 days
Air Amount in Fresh Concrete	%0.3
Dangerous Goods	In accordance with Article 5.3

