



Normal and retarders superplasticizer and high water reducers (N, R, HR) Superplast PC2000

Description

These super-plasticizers are from the series of poly-carboxylates which are made with new formulation. They are recommended for various types of concretes. These plasticizers could be used during the process of making the concrete so that we can use their reducing power and keep the proportion of W/C low and consequently increase the concrete pressure resistance and its durability.

PC2000 (N): This type of super-plasticizer is a normal super-plasticizer and can't bring about any intensity or retarding in cement setting. So, the concrete preserves its natural setting.

PC2000 (R): Regarding the amount of its use, it can bring about 30 to 45 min retard in cement setting.

PC2000 (HR): Regarding the amount of its use, it can bring about 45 to 80 min retard in cement setting.

Advantages and Applications

- Appropriate for concreting in warm weather due to their delay in setting
- Appropriate for carrying concrete for long distances
- Producing appropriate plasticity and preserving the paste quality of the concrete
- Appropriate for various kinds of concrete including ready-mix concrete and the concrete that is usable in truck mixer.
- Reducing the proportion of water to cement and increasing the pressure resistance.
- Increasing the durability and shelf life of the hardened concrete
- Good agreement with micro-silica

Dosage

The dosage of each of the Pc3000 Super-plasticizers is specified with regard to building materials, the design requirements and concreting conditions determined by laboratory tests. However, a dosage between 0.5 to 1.5 percent of the cement weight is recommended.





How to use

Dissolve the amount taken from the laboratory in mix design water, then mix the concrete with water or during making the concrete add PC2000 to the water and let the mixing operation continue for 2 or 3 minutes. As all super-plasticizers react chemically in water, avoid pouring them on dry materials. If you want to add it to ready-mix concrete, add the specified amount of this super-plasticizer from the terminal opening of the truck mixer and let the truck mixer turn fast with 70 to 90 turns.

Specifications

Appearance: liquid

Chlorine ion: without chlorine ion

Density: 1.03 ± 0.02

PH: 0.5 ± 6

Shelf time: keep in sealed container out of direct sunlight for 1 year

Packaging and maintenance: keep in 220 kg barrels and gallon No.22. Keep in sealed containers in roofed warehouses out of direct sunlight.

Safety points

Superplast pc2000 contains no toxic materials; however, if you touch it, wash your body with water and soap. If your eyes are touched, wash your eyes with water for at least 10 minutes.

Standards: In accordance with ASTM-C-494, European standard EN-9342, and Iran 2930 standard. Keep in sealed containers in roofed warehouses out of direct sunlight.

