



PACTOFlo P 600

Water Reducing Superplasticizer

Description

PACTOFlo P 600 is a chloride free water reducing superplasticizer based on specially selected and blended polymers. It is supplied as a brown solution which instantly disperses in water.

Advantages

- Provide excellent acceleration of strength gain at early and later by reducing water demand significantly.
- Powerful plasticizing action reduces or eliminates the need for compaction.
- Increased compressive, tensile and flexural strength can be achieved as a benefit of its water reducing properties.
- High early strengths can significantly increase mould utilization in precast works.

Uses

- Particularly suitable for precast concrete and other high early strength requirements.
- To significantly improve the workability of site mixed and precast concrete without increasing water demand.
- To provide improved durability by increasing ultimate strengths and reducing concrete permeability
- Improved cohesion and particle dispersion minimizes segregation, bleeding and improve pump ability.

Properties

Appearance	: Brown liquid
Specific gravity	: 1.16 ± 0.01 @ 25°C
Chloride content	: Nil to BS 5075

Standards

PACTOFlo P 600 complies with ASTM C494 Type A and F.

Dosage

The optimum dosage of **PACTOFlo P 600** to meet specific requirements should always be determined by trial mixes using the materials and conditions that will be experienced in use.

For high strength, water reduced concrete the normal dosage range is from 1.0 to 3.0 litres/100 kg of cementitious material, including PFA, GGBFS and microsilica. For high workability concrete the normal dosage range is from 0.70 to 2.0 litres/100 kg of cementitious material.

Overdosing

An overdose of **PACTOFlo P 600** will result in an increase in retardation. Provided that adequate curing is maintained, the ultimate strength of the concrete will not be impaired.

The effects of overdosing will be further increased if sulphate resisting cement or cement replacement materials are used.

Compatibility

PACTOFlo P 600 is compatible with other admixtures used in the same concrete mix. All admixtures should be added to the concrete separately and must not be premixed together prior to addition. The resultant properties of concrete containing more than one admixture should be assessed by trial mixes.

PACTOFlo P 600 is suitable for use with all types of Portland cements and cement replacement materials, such as GGBS, microsilica and PFA.

The use of a combination of admixtures in the same concrete mix and or cement replacements may alter the setting time. Trials should always be conducted to determine such setting times.

Dispensing

PACTOFlo P 600 is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticizing effect and water reduction are higher if the admixture is added to the concrete after 50 to 70% of the mixing water has been added. The addition of **PACTOFlo P 600** to dry aggregate or cement is not recommended.

Storage

Up to 1 year in unopened original packing, protected from extremes of heat and cold and stored under shade.

Precautions

PACTOFlo P 600 is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the Material Safety Data Sheet.



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