

CX SUPERCONCRETE 850 P+

High Range Water Reducing/Superplasticising, Admixture High Performance Concrete

Description :

- **CX SUPERCONCRETE 850 P+** is a high performance super plasticizer suitable for low and high grade concrete and intended for applications where high water reduction and long workability retentions are required.
- **CX SUPERCONCRETE 850 P+** is specially designed to allow considerable reduction of mixing water while maintaining control on extend of set retardation.
- **CX SUPERCONCRETE 850 P+** is free of chloride & low alkali. It is compatible with all types of cements.

Recommended Uses:

- High workability without segregation or bleeding
- High performance concrete for durability
- Congested/complex reinforced sections
- Ready mixed concrete
- Long distance transporting
- Pumped concrete

Advantages :

- Increased ease in finishing concrete
- Low viscosity admixture suitable for pumping different grades of concrete to greater heights
- Reduce shrinkage and creep
- Increase durability
- Lower pumping pressure
- Resistance to segregation even at good workability
- Reduced water content for a given workability
- Higher ultimate strengths
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Properties :

Appearance	Light yellow coloured Liquid
Chloride content	Nil to IS:456*
pH	Minimum 6.0*
Relative Density	1.07 ± 0.02 at 27°C

* The uniformity parameters like specific gravity, pH, chloride content etc. will vary for specific customer requirements and mix design.

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Dosage :

- The optimum dosage of **CX SUPERCONCRETE 850 P+** to meet specific requirement should always be determined by conducting laboratory and batch trials. However the normal dosage ranges between 0.3 to 2.0 percent by weight of total cement or binder content.

Use at other dosages :

- Dosage outside the normal range quoted above can be used to meet particular mix requirements. Contact Chemax Construction Chemical for advice in these cases.

Effects of overdosing :

- Overdosage may cause delay in the setting time and segregation
- Long extension of initial and final set
- Increase in air entrainment

Application :

- CX SUPERCONCRETE 850 P+** is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added.
- The addition of **CX SUPERCONCRETE 850 P+** to dry aggregate or cement is not recommended.

Packaging :

- CX SUPERCONCRETE 850 P+** is available in 230kg drums and bulk tanker.

Storage/ Shelf Life :

- CX SUPERCONCRETE 850 P+** must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is 12 months when stored as above.

Precautions :

- As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention.

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