

## CX SUPERCONCRETE 440

Superplasticising Admixture

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#### ADVANTAGES:

1. Increased Workability
2. Increased Strength
3. Improved Quality
4. Higher Cohesion
5. Chloride free

#### DESCRIPTION

CX SUPERCONCRETE 440 is based on Sulphonated Naphthalene Polymers and supplied as a brown liquid instantly dispersible in water.

CX SUPERCONCRETE 440 has been specially formulated to give high water reductions up to 25% without loss of workability or to produce high quality concrete of reduced permeability.

#### PACKAGING:

20kg, 50kg, 250kg

1800 - 419 - 3637



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### Description :

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### Recommended Uses:

- To produce pumpable concrete
- To produce high workability concrete requiring little or no vibration during placing Ready mixed concrete
- Site batched concrete
- High performance concrete
- Self compacting concrete

### Advantages :

- Easier, quicker placing and compaction
- Provides high early strength for precast concrete with the advantage of higher water reduction ability
- Denser, close textured concrete with reduced porosity and hence more durable
- Risk of segregation and bleeding minimized; thus aids pumping of concrete
- Improve cohesion properties
- Suitable for hot weather conditions
- Improved a water tightness/water proofed concrete

### Properties :

<b>Appearance</b>	Dark Brown Liquid
<b>Chloride content</b>	Nil to IS:456*
<b>pH</b>	Minimum 6.0*
<b>Relative Density</b>	1.19 at 27°C
<b>Chemical Base</b>	Modified Naphthalene Formaldehyde Sulphonate

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

### Dosage :

- The optimum dosage is best determined by site trials with the concrete mix which enables the effects of workability, strength gain or cement reduction to be measured.
- Site trials with **CX SUPERCONCRETE 440** should always be compared with mix containing no admixture. As a guide, the rate of addition is generally in the range of 0.5 - 2.0 liters / 100 kg cement.

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KOTHAVA GAM, KIM-394111, SURAT (GUJARAT)



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**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 440 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 440 P+** to dry aggregate or cement is not recommended.

**Packaging :**

- **CX SUPERCONCRETE 440** is supplied in 5, 20 and 250 kg drums.

**Storage/ Shelf Life :**

- **CX SUPERCONCRETE 440 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.