



**Siddhi Vinayak
Construction
Chemical
Pvt Ltd**



Super Dispersant Admixture

Description

Concrete Guard is a new generation superplasticizer designed to produce wide range of concrete mixes from conventional to self-consolidating concrete.

Advantages

- Increase early and ultimate compressive strength with normal setting.
- Produces concrete with high levels of workability without segregation
- Excellent concrete durability and rheology
- Lower permeability
- Excellent handling properties
- Lowers drying shrinkage and creep
- Increased productivity

Limitations

Concrete Guard shall not be added to dry cement. Dosage beyond limits can be used to meet particular mix requirements in consultation with SVCC technical department. Over dosage may cause delay in the setting time and segregation.

Dosage and Usage

The normal recommended dosage is between 0.2% to 1.5% by weight of cementitious material. The optimum dosage of Concrete Guard to meet specific requirement should always be determined by trials using the materials and conditions that will be experienced in use. Stir well before use.

Properties

Appearance: Deep brown coloured liquid

Specific Gravity: 1.13 ± 0.02 @ 27°C

pH: > 6

Density: ~1.12 kg/l at 25°C

Chloride Content: < 0.2%



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Packaging

250 Kg HDPE barrels
50 kg HDPE jars

Shelf Life

24 months from date of production if stored properly in undamaged unopened and original sealed packaging.

Standards

IS 9103:1999
ASTM C 494

Storage & Handling

Store in a moist free, cool and dry conditions. Protect from direct sunlight and frost. Handle the product(s) very carefully during transportation.

Safety Precautions

Concrete Guard is non-toxic and non-flammable. Splashes on eyes has to be immediately washed with plenty of water and seek medical advice.

Wear all PPE's at the time of the application like safety boots, goggles, hand gloves and masks. Avoid contact with skin and eyes. Any direct skin contact with the products should be washed off thoroughly with soap and water.