

Densified Silica Fume

Uses

- To react with free lime in concrete to form CSH that will give an increase in binding agent, thus improve concrete strength and reduce permeability. Very good to make high quality concrete.

Advantages

- Improve workability
- Higher cohesion so that the risk of bleeding and segregation can be minimized
- Increase strength
- Improve concrete quality, improve overall durability

Standards compliance

Conplast R complies with ASTM C494 as Type S.

Description

Conplast SF1000 is densified silica fume admixture to produce high quality concrete

Technical Support

The company provides a technical advisory service supported by a team of specialists in the field.

Typical dosage

(% by weight of cement content)

Normal concrete : 4 – 7 %

High Strength concrete: 7 -15%

Underwater concrete : 12 – 15%

Pumping Aid : 2 – 3%

Typical Properties

Specific gravity : +/- 2.2

Chloride content : Nil

Air entrainment : Typically slightly less air will be entrained than in a normal concrete mix

SiO₂ Content : min. 85%

Packaging

Packed in 25 kg paper bag.

Storage

Conplast SF1000 has a shelf life of 12 months provided the temperature is kept within the range of 25°C to 35°C in its original packaging, inside the room. If stored in high temperature and humidity, shelf life can be reduced.

Keep away from hydrofluoric acid (HF), exhaust ventilation should be provided.

Precautions

Health and safety instructions

Conplast SF1000 should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles, and dust mask should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes it shall be rinsed immediately with plenty of water and medical advice sought immediately. If swallowed, medical attention shall be sought immediately.

Fire

Conplast SF1000 is non-flammable.

Important note

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