



Conplast SFS50*

Silica fume Slurry

Uses

- Marine concrete structure.
- Water reservoirs.
- Concrete pavements.
- High strength concrete.
- To improve concrete characteristics.

Advantages

- Easily use in compare with silica fume in powder form.
- Reducing water/cement ratio causes increased early and high compressive strength and reduced permeability of concrete by use of silica fume slurry.
- Reduces permeability brings more durable concrete against corrosive conditions.

Technical support

Fosroc provides a technical advisory service for on-site assistance and advice on mix design, admixture selection, evaluation trials and dispensing equipment.

Description

Conplast SFS50 is a water based chloride free emulsion with 50 percent microsilica powder by weight in combine with chemical additives to ensure completely dispersion in concrete and suspension of microsilica powder in liquid form.

Dosage

The optimum dosage of conplast SFS50 to meet specific requirements such as increasing strength and reducing permeability of concrete , always determined by trial mixes.

For high strength water reduced concrete, the normal dosage range is from 8 to 20 percent of cement content weight. For designing durable and impermeable concrete,

recommended starting dose would be 10 percent of cement content.

Properties

Appearance : Grey coloured paste

Specific gravity : 1420 kg/m³ @ 21°C
(BSEN 934-2)

Water soluble chloride : Nil
(BSEN 934-2)

Instruction for use

Dispensing

The correct quantity of Conplast SFS50 should be measured by means of suitable dispenser in site.

Normally, silica fume Slurry should then be added directly to Batching plant mixer or truck. Best results achieved while first Conplast SFS50 premixed with water of mix design prior to add to the concrete mix.

Compatibility

Conplast SFS50 is compatible with other Fosroc admixtures used in the same concrete mix .All admixtures should be added separately and must not be premixed together prior to addition. For more information please contact Fosroc local office.

Curing

Use “ Concure” * range products or polythene sheets and wet hessian for curing.

Estimating

Packing

Conplast SFS50 is available in 25 Kg plastic pack.

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Storage

Conplast SFS50 has a minimum shelf life of 6 months provided if it has been kept within the original pack and the range of 5 °C to 30°C of temperature.

Should the temperature fall or rise outside this range, contact Fosroc local office for advice.

Health and safety

Conplast SFS50 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

Fire

Conplast SFS50 is water based and non-flammable product.

Precautions

Conplast SFS50 does not fall into the hazard classification of current regulations. However, it should not be swallowed or allowed to come in contact with skin and eyes.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately.

Cleaning and disposal

Spillage of Conplast SFS50 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.



Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it.

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