

Strumin® SL

Silica Fume Slurry Admixture

Uses

- Any construction project requiring the protection provided by highly durable, low permeability concrete
- Projects requiring high-strength/high-performance concrete
- Steel-reinforced concrete structures or wet shotcrete applications exposed to deicing or airborne salts

Advantages

- Increased concrete service life
- Increased strength
- Increased modulus of elasticity
- Reduced permeability thereby increasing durability
- Increased resistance to sulfate attack
- Increased resistance to alkali-silica reactivity

Standards compliance

Strumin SL conforms with ASTM C1240, Standard Specification for Silica Fume used in Cementitious Mixtures.

Description

Strumin SL admixture is based on a silica fume admixture to produce extremely strong, durable concrete. These include silica fume and Distributor admixture.

Typical dosage

Strumin SL silica fume admixture is recommended for use in concrete and wet shotcrete applications at an addition dosage of 2-12% by mass of cement.

Properties

| | |
|-----------------------------------|---------------------------------------|
| Appearance | Gray Slurry |
| Specific gravity | 1.4 ± 0.05 gr/cm ³ at 20°C |
| Chloride | Nil to BS5075 |
| Microsilica in the product (Min%) | 501± |

Instructions for use

Compatibility:

Strumin SL is compatible with other STRUMIX admixtures used in the same concrete mix. All admixtures should be added to the mix separately and must not be mixed together prior to addition. The resultant properties of mixes containing more than one admixture should be assessed by the trial mix procedure recommended on this data sheet.

Dispensing:

The correct quantity of Strumin SL should be measured by means of a suitably accurate device; and then added to the concrete during the mixing process either by hand, or mechanically.

Curing:

As with all structural concrete and sand : cement mixes, good curing practice should be maintained, particularly in situations where an overdose has occurred. Water spray, wet Hessian or a Strucure WS spray applied curing membrane should be used.

Limitations

The use of a suitable Super plasticizer with this product is recommended.

Packaging

Strumin SL is available in 20 kg pails or 200 kg Barrels.

Storage

Strumin SL has a minimum shelf life of 6 months at 35°C if kept in a dry store in the original, unopened packs. The shelf life will be reduced at higher ambient temperatures.

Precautions

Health and safety:

Strumin SL is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn. If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire:

Strumin SL is non-flammable.