

## High Range Water Reducer – Superplasticizer

### DESCRIPTION

SILOX-S22 is specially designed Sulphonated naphthalene polymeric material based High range water reducer, designed to cover several concrete applications, where high water reduction and high slump retention are desired.

### Uses

- High performance concrete
- Low water/cement ratio concrete
- Flowable concrete
- Heavily reinforced concrete
- High slump, flowable concrete
- Suitable to use with all cement types
- Used for SSC & Precast concrete

### Benefits

- Provides extended slump flow retention without impact on set time
- Allow good pumpability for concrete
- Allow producing high consistence concrete, with excellent rheology
- Suitable for use in mix designs containing fly ash, GGBS or silica fume
- Improve the quality of concrete by decreasing water cement ratio.
- Reduces surface bleeding, cracking, creep, and shrinkage
- Reduces permeability and salt penetration

### Technical Data

Colour	Dark brown
Density @ 25°C	1.15±0.02 kg/l at 25°C
PH @ 25°C	8±2
Chloride content	Nil

### Dosage

0.5% -3.0% by weight of cement is recommended. Higher dosages by weight of cement can be used depending on the mix design, raw materials, climatic conditions and concrete requirements. Trials need to be carried out at site to determine the exact dosage rate of the admixture for the particular mix design and materials.

### METHOD OF USE

SILOX -S22 is supplied ready for use. It should be added to concrete mixes during the mixing cycle or at the same time as the water starts flow to the mix.

### Standards

SILOX -S22 complies with BS 5075- Part 3 and ASTM-C-494 Type F



# Data Fact Sheet

## SILOX-S22



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### **Packaging**

SILOX -S22 is supplied in 1000 L.IBC and 200 kg drums. Alternatively, bulk deliveries can be arranged.

### **Storage and Shelf Life**

SILOX -S22 has a shelf life of 12 months from production date provided it is covered under cool and dry place. Avoid exposed t to the direct sun light.

### **Health & Safety**

SILOX -S22 is not hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water.

In case of contact with eyes rinse immediately with plenty of fresh water.

The product is water based and nonflammable.

### **Cleaning**

In case of spillage, wash it with clean water.



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