

High Range Water Reducer - Superplasticizer

DESCRIPTION

SILOX -S111 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	1.22±0.02 kg/l at 25°C
PH @ 25°C	8±2
Chloride content	Nil

Dosage

0.5% -3.5% by weight of cement is recommended. Overdosing may increase the setting time and retardation but final strength of the concrete will not be adversely affected. Trials need to be carried out at site to determine the exact dosage of the admixture for the particular mix design and materials. However, for normal grades of concrete a dosage from.

METHOD OF USE

SILOX -S111 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 -S111 complies with BS 5075- Part 3 and ASTM-C-494 Type 'G&F'



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Packaging

SILOX –S111 is supplied in 1000 L.IBC and 200 kg drums. Alternatively, bulk deliveries can be arranged.

Storage and Shelf Life

SILOX –S111 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 –S111 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.

