

Silkon

FLOWMIX PC 550

Silkon Flowmix PC550 is an Advanced Low Viscosity High Performance Superplasticizer, based on Poly carboxylic technology this is a unique combination of the latest generation superplasticizers, based on a Poly carboxylic ether polymer with long lateral chains VMA and Rheology modifier inbuilt, this greatly improves cement dispersion. At the start of the mixing process an electrostatic dispersion occurs but the cement particle's capacity to separate and disperse. This mechanism considerably reduces the water demand in flowable concrete. Silkon Flowmix PC 550 combines the properties of water reduction and workability retention. It allows the production of high-performance concrete and/or concrete with high workability.

Usages and Advantage

Silkon Flowmix PC550 is a high performance superplasticizer intended for applications where high-water reduction and long workability retention are required, and it has been developed for use in:

- Pumped concrete and Value-added concrete
- Concrete requiring long workability retention
- High performance concrete up to M200 Grade concert
- Low viscosity suitable for pumping of different grades of concrete to higher floors
- Higher E modulus
- Improved adhesion to reinforcing and pre-stressing steel
- Better resistance to carbonation
- Lower permeability
- Better resistance to aggressive atmospheric conditions
- Reduced shrinkage and creep
- Increased durability

Standard Compliance

Silkon Flowmix PC550 complies with IS:9103- 1999 (2007). It also complies with ASTM C494 Type G depending on the dosage used

BRIJ ADDITIVES

EXPERT'S CHOICE

Storage

Silkon Flowmix PC550 has a minimum shelf life of 12 months provided the temperature is kept within the range of 2° C to 50° C. Should the temperature of the product fall outside this range then contact local Brij Additives office for advice.



Technical Support

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

Properties

Appearance	Brown colour liquid
pH	Minimum 6.0
Volumetric mass @ 20° C	1.10 kg/litre
Chloride content	Nil to IS:456

Dosage

The optimum dosage of Silkon Flowmix PC550 to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.3 to 3.0 liters/100 kg of cementitious material.

Effects of Overdosing

Dosage outside the normal range quoted above can be used to meet particular mix requirements. Overdosage may cause delay in the setting time and segregation. Contact Brij Additives for advice in these cases.

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Packaging

Silkon Flowmix PC550 is available in 250kg drums and bulk tanker.

Health And Safety Instructions

Silkon Flowmix PC-550 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. 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 water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting. For further information consult the Material Safety Data sheet available for this product.

Cleaning and disposal

Spillages of Silkon Flowmix PC 550 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants 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.

Fire

Silkon Flowmix PC 550 is water based and non-flammable.



ADMIXTURE
SOLUTIONS



ACCELERATOR



INDUSTRIAL
PRODUCT



WATERPROOF &
REPAIR SOLUTIONS



TILE
ADHESIVE

BRIJ ADDITIVES PVT. LTD.

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ISO 9001:2015
Certified Company

Disclaimer: The product information & application details given by the company & its agents has been provided in good faith & is meant to serve only as a general guideline during usage. Users are advised to carry out tests and take trials to ensure on suitability of products meeting their requirements prior to full scale usage of our products. Since the correct identification of the problems, quality of the other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The Company does not assume any liability or any consequences for damage or unsatisfactory results, arising from the use of our products.