

## Silkon

FLOWMIX PC 450

Silkon Flowmix PC450 is an Advanced Low Viscosity High Performance Super-plasticizer, based on Polycarboxylic technology this is a unique combination of the latest generation of super plasticizers, based on a polycarboxylic ether polymer with long lateral chains VMA and Rheology modifier inbuilt, which 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 amount of water in flowable concrete. Silkon Flowmix PC 450 combines the properties of water reduction and workability retention. It allows the production of high performance concrete and or concrete with greater workability.

### Usages and Advantage

Silkon Flowmix PC 450 is a high-performance superplasticizer intended for applications where high-water reduction and long workability retention is required, and it has been developed for use in:

- Self-compacting concrete
- Pumped concrete
- Concrete requiring long workability retention
- High performance concrete
- Low viscosity suitable for pumping of different grades of concrete to higher floors
- Higher E modulus
- Improved adhesion to reinforcing and prestressing steel
- Better resistance to carbonation
- Lower permeability
- Better resistance to aggressive atmospheric conditions
- Reduced shrinkage and creeping
- Overall increased durability

### Standard Compliance

Silkon Flowmix PC450 complies with IS:9103- 1999 (2007). It also complies with ASTM C494 Type G depending on the dosage used.

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### Storage

Silkon Flowmix PC 450 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 please 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	Light yellow colour liquid
pH	Minimum 6.0
Volumetric mass @ 20° C	1.08 kg/litre
Chloride content	Nil to IS:456

### Dosage

The optimum dosage of Silkon Flowmix PC450 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 0.5 to 3.0 liter per 100 kg of cement or similar 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. We priorities customer service and hence you can always contact Brij Additives for any advice.

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## Packaging

Silkon Flowmix PC450 is available in 250kg drums and bulk tanker.

## Health And Safety Instructions

Silkon Flowmix PC450 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to meet 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 –It does not induce vomiting. For further information consult the Material Safety Data sheet available for this product.

## Fire

Silkon Flowmix PC 450 is water based and non-flammable.

## Cleaning and disposal

Spillages of Silkon Flowmix PC 450 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants or vermiculite and transferred to suitable containers. Remnants should be hoisted 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.



ADMIXTURE  
SOLUTIONS



ACCELERATOR



INDUSTRIAL  
PRODUCT



WATERPROOF &  
REPAIR SOLUTIONS



TILE  
ADHESIVE

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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.