

SmartCare MaximoPlast PC 100

Asian Paints SmartCare MaximoPlast PC 100 Super Plasticizer is a high-performance superplasticizer, based on PCE chemistry.

PRODUCT DESCRIPTION

SmartCare MaximoPlast PC 100 Super Plasticizer is an admixture based on new generation of modified polycarboxylate ether that provide high water reduction, long workability retention and enhance overall durability of concrete.

AREAS OF APPLICATION

- Mass concrete
- Pumpable concrete
- Structural concretet
- RMC as well as site batching plant

FEATURES AND BENEFITS

- Water reduction & slump retention
- Reduction in drying shrinkage
- Reduces water permeability
- Dose sensitivity is less – at high dosage, no impact on retardation
- Better resistance to aggressive atmospheric conditions
- Increases compressive strength of concrete
- Increases flexural strength of concrete
- Increases cohesiveness of the mix and adhesion to the reinforcement and stressing steel

PRODUCT DETAILS

STANDARD COMPLIANCE:

Complies to IS:9103-1999(2007)
ASTM C494 Type G depending on the dosage

PERFORMANCE TEST DATA:

Appearance	Yellow to Brown Liquid
Specific Gravity	1.08-1.2
Ph	Min 6
Chloride Content	<0.2%

APPLICATION METHOD

Mechanism:

SmartCare MaximoPlast PC 100 Super Plasticizer is a unique combination of the latest generation superplasticizers, based on special carboxylic ether polymers with long lateral chains. At the start of the mixing process this special polymer develops an electrostatic repulsion which greatly improves separation and dispersion of cement particles. This mechanism considerably reduces the water demand to produce a flow able concrete. The side chains linked to the backbone generate steric hindrance to cement particles. Both these mechanisms produce flowable concrete with greatly reduced water content. SmartCare MaximoPlast PC 100 Superplasticizer combines the properties of water reduction and workability retention. It allows the production of better workability retention.

Dosage:

The normal dosage range is 0.2 to 1.0 Kg per 100 Kg cement. However, the actual dosage should be determined by trials using the materials & conditions available at site.

Technical Support:

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

Over Dosing:

Over dosing of admixture may result in delay in setting time and segregation. Contact Asian Paints technical expert for assistance.

Pack Size:

Available in Bulk pack/tanker

Shelf Life:

12 months from date of manufacturing when stored at recommended conditions in unopened drum.

SAFETY INSTRUCTIONS

- Store the container with the lid tightly closed in an upright position, in a cool, dry place.
- Keep out of reach of children and away from eatables.
- The pails/drums should not be used for storing food items.
- May be harmful if swallowed. In case of ingestion, seek immediate medical attention.
- In case of skin contact immediately wash skin with soap and plenty of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation develops or persists.
- Do not breathe vapor or spray. It is recommended to wear proper personal protective equipment during material handling & wear a suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Left-over drums/pails should not be disposed of in soil/drains. Consumers should consult an authorized local recycling agency for the disposal of pails.