

Smartcare Retardex PC 100

Asian Paints SmartCare Retardex PC 100 is a PCE based retarder with high slump retention.

PRODUCT DESCRIPTION

Smartcare Retardex PC 100 is a Polycarboxylate Ether (PCE) based superplasticizer designed specifically to enhance high slump retention properties in concrete mixes. Engineered with precision, this advanced admixture extends the workability duration of concrete while maintaining exceptional strength and durability

FEATURES AND BENEFITS

- High Slump Retention: Ensures prolonged workability of concrete without compromising strength.
- Enhanced Fluidity: Facilitates ease of placement and handling during construction.
- Extended Workable Timeframe: Allows for intricate pours and construction flexibility.
- Maintains Strength and Durability: Preserves concrete integrity while providing extended slump retention properties

PRODUCT DETAILS

STANDARD COMPLIANCE:

Complies to ASTM C494 Type D & Type G IS 9103:1999 depending on the dosage

PERFORMANCE TEST DATA:

Appearance	Brown Liquid
Specific Gravity	Approximately 1.05 ± 0.02 kg/L at 20°C
ph	7.0 - 9.0
Chloride Content	< 0.1% by weight
Solid Content	20 ± 1% by weight

AREA OF APPLICATION

- High-performance concrete requiring extended slump retention.
- Ready-mix concrete for large-scale construction projects.
- Precast and pre-stressed concrete production.
- Construction projects necessitating prolonged workability and fluidity.

APPLICATION METHOD

Mechanism:

Smartcare Retardex PC 100 is an advanced PCE based superplasticizer meticulously engineered to provide exceptional high slump retention properties in concrete mixes. Tailored for demanding construction projects, this cutting-edge admixture is designed to significantly extend the workability duration of concrete, ensuring prolonged consistency and ease of placement.

It also offers superior fluidity control without compromising on the concrete's strength or durability. It's innovative composition enables concrete to maintain a high slump for an extended period, allowing flexibility in construction operations and facilitating intricate pours.

Dosage:

The normal dosage of Smartcare Retardex PC 100 typically ranges from 0.4% to 0.9% by weight of cementitious material. The exact dosage should be determined based on specific mix design requirements and project conditions.

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 initial and final setting of concrete as well as increased plastic shrinkage and may lead to bleeding and segregation. Contact Asian Paints technical expert for assistance.

Pack Size:

Available in 200 Kg Drums / 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.