

# ShaliPlast® PCE 200 R

Poly-Carboxylated Ether Based Superplasticiser and Retarding Agent for RMC



## Description

**ShaliPlast PCE® 200 R** is Poly-Carboxylated Ether based super-plasticizer and retarding agent for ready mixed concrete. It is an additive for concrete, mortar and plasters.

It conforms to IS 9103 - 1999 and ASTM - C494 Type G. It also complies with IS 2645 – 2003 as an integral waterproofing compound.

## Characteristics

Colour	Light Brownish	Specific Gravity, 30°C	1.06 ± 0.02
pH	6 - 8	Chloride Content	Nil
Dosages, by weight of cementitious material, %	0.5 - 2.0		

## Application

**ShaliPlast® PCE 200 R** is especially suitable to produce ready mixed concrete which require high early strength development, high water reduction and excellent flow-ability.

- For ready mix concrete.
- High workability concrete.
- Precast concrete.
- Pavement Quality Concrete.
- Fast track concrete.
- In situ concrete requiring fast stripping time.

## Advantages

- Pronounced increase in the early strength development, resulting in very economical stripping times for precast and in situ concrete.
- Extremely high-waterreduction, resulting in high density, high strength and reduced permeability for water, etc.
- Excellent plasticizing effect, resulting in improved flow-ability, placing and compacting behavior.
- Higher cohesion reducing risk of segregation and bleeding.
- Improved shrinkage and creep behavior.
- Free from chlorides or other ingredients promoting corrosion of steel reinforcement. It is therefore suitable for reinforced and pre-stressed steel.
- It is compatible with all types of Portland Cement including SRC (Sulphate Resistance Cement) and Cement Fillers / substitutes like PFA, GGBFS and Micro Silica. Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.

## Application Methodology

- Add **ShaliPlast® PCE 200 R** to the dosing water or added with it in to the concrete mixer. It shouldnot come into contact with dry cement.
- **Dosing:** Charge all concrete material in the proper order into the mixer with about 85% of the mixing water and mix for appropriate time. Add rest quantity of water with admixture to obtain the required slump and mix for additional 2 - 3 minutes.
- Over dosage may cause delay in setting time of concrete.
- **Formwork:** Forms for walls or narrow sections must be watertight, strong and must have good bracing. During the “Flowing period” the concrete will exert a higher pressure at the base of the form than conventional concrete. Form work for slabs is the same as for conventional concrete.

## Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

## Packing

Available in 225 kg barrel.

## Storage

Keep in cool and dry place, under shed, away from heat.

## Shelf Life

12 months in original unopened condition.



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### Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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