

# ShaliPlast<sup>®</sup> PCE 200



High Performance Poly-Carboxylated Ether Based Superplasticiser

STP Limited

## Description

**ShaliPlast PCE<sup>®</sup> 200** is a third generation Poly-Carboxylated Ether based super-plasticizer for lower and medium grade concrete and mortar. It is an additive for concrete, mortar and plasters. It conforms to IS 9103 – 1999 and ASTM – C494 Type G.

## Characteristics

Colour	Light Brownish	Specific Gravity, 30 °C	1.05 ± 0.04
pH	6 - 8	Chloride Content	Nil
Dosages, by weight of cementitious material, %		0.5– 2.0	

## Application

**ShaliPlast<sup>®</sup> PCE 200** is especially suitable for the production of concrete mixes which require high early strength development, high water reduction and excellent flow-ability.

- For ready mix concrete.
- High workability concrete.
- Precast 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 water reduction, 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<sup>®</sup> PCE 200** to the dosing water or added with it in to the concrete mixer. It should not 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.
- Overdosage 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

- Use goggles and hand gloves during application
- Clean hands with warm soap water after application

## Packing

Available in 250 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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