PLASTOL SPC

High Range Water Reducer - Retarding Superplasticizer

EUCLID CHEMICAL

Description

PLASTOL SPC is a polycarboxylate based high range water-reducing admixture which enables concrete to be produced with very low water to cement ratios. PLASTOL SPC produces flowable and self-consolidating concrete at low doses and can obtain up to 45% water reduction. PLASTOL SPC does not contain added chlorides and will not promote corrosion in steel. PLASTOL SPC is compatible with air-entraining agents, microsilica, accelerators and many other admixtures; however, each material should be added to the concrete separately.

Primary Applications

- High performance concrete
- Negative slump concrete
- Heavily reinforced concrete
- Flatwork and mass concrete
- High early strength concrete
- Precast/prestressed concrete
- High slump, flowable concrete

Features/Benefits

- Produces low water content and low water/cement ratio concrete allowing higher strengths
- Aids in concrete placement and reduces labor cost

Technical Information

Perfromance Data	
Specific Gravity	1.10 ± 0.02 @25°C
Physical State	Light brown liquid
Base Material	Polycarboxylate
Chloride Content	<0.2%
pH	Min 6

Packaging

PLASTOL SPC is packaged in bulk 220 Kg.

Shelf Life

1 Year in original, unopened container.

Flowcrete India Pvt Ltd
"Ganesh Towers" Door No.B-1, 1st floor, 1st Avenue, Ashok Nagar, Chennai - 600 083.
Tamilnadu, India. T: +91 44 40176600 | E-mail: india@flowcrete.com

Specifications/Compliances

- Confirms the requirements of IS 9103/2007
- ASTMC 494, Type G
- AASHTO M 194

Directions for Use

Normal dosage range is 200 ml - 600 ml/50 kg of cement. However the optimum dosage is determined by site trials. Plastol SPC should be added to intial batch water of the concrete mixture. Do not dispense on to dry cement. Over dosing leads to retardation of setting times of concrete, Mix may seggregate and bleeding of concrete.

Precautions/Limitations

- Care should be taken to maintain PLASTOL SPC above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Never agitate with air or an air lance.
- In all cases, refer the Safety Data Sheet before use.