

ChemPlast PCE 400

High Range PCE Based Super Plasticizer for High Performance Concrete

Description:-ChemPlast PCE 400 is high range polycarboxylic ether based hyper super plasticizer for use where high water reduction, high performance and high workability retention concrete are required. Due to high water retention and high polymer percentage produce self-compacting and flow able concrete.

Characteristic Parameters

It conforms to specification prescribed in IS: 9103:1999

Test Parameters	Specification
Appearance	Light/ Dark Brown Colour Liquid
Specific Gravity at 27°C	1.10 ± 0.02
Ph. at 27°C	≥6
Solid Content %	35 ± 1
Chloride Content %	0.0001

Features/Advantages

- ❖ Lower permeability.
- ❖ Resistance to aggressive atmospheric condition.
- ❖ High workable and high performance.
- ❖ Easily pumpable and flow able.
- ❖ Resistance to segregation and bleeding even at high workability.
- ❖ Extended setting with longer workability.
- ❖ Improved adhesion to reinforcing & stressing steel.
- ❖ Reduced shrinkage & creep.
- ❖ Reduced slump loss.

Applications

- ❖ Ready mixed concrete.
- ❖ Pavement quality concrete.
- ❖ Precast concrete industry.
- ❖ Long-distance transporting.
- ❖ Long workability.
- ❖ Pumpable and flow able concrete.
- ❖ High strength and high durability concrete.
- ❖ Piling concrete.

Application Methodology

- ❖ Add ChemPlast PCE 400 to the dosing water. It should not come into contact with dry cement, Aggregate, Sand etc.
- ❖ Firstly Charge all concrete material into the mixer and mix for 1 minutes. Then add about 70 % water in Concrete and mix for 3 minutes.
- ❖ Add remaining water with admixture and mix for 3 additional minutes to obtain the required slump & Properties.

Dosage:-Add ChemPlast PCE 400, 0.3 –1.2 % by weight of cementitious material. Do not add over dosage otherwise it will bleed or will retard the setting time. Actual dosage to be finalized on the basis of site trials.

Health & Safety

- ❖ Before handling wear Nose mask, Hand gloves, Helmet & Goggles.
- ❖ Avoid contact with skin / eyes, and avoid swallowing.
- ❖ If contacted with skin, clean immediately with plenty of clean water.
- ❖ Ensure adequate ventilation and avoid inhalation of vapor.

Packing: - 220/230 Kgs.

Shelf-Life and Storage Condition: - Shelf life is 12 months from the date of manufacturing when stored with undamaged and unopened original sealed drum. Keep in dry and cool place & temperature should be +10°C to + 30°C.

Our other products ranges are:-

- Concrete Admixtures
- Sealants & Primer
- Industrial Floorings
- Concrete Repair Products
- Mould Release Agents
- Adhesive for Tiles, Marbles and Stones
- Concrete Curing Compounds
- Waterproofing Chemicals
- Industrial Grouts
- Concrete Hardeners
- Concrete Bonding Agents
- Joint Filler Grouts for Tiles, Marbles and Stones

Offshore

Important Note:-Offshore Chemox products are confirming standard manufacturing specification and procedure. Offshore Chemox products are given in good faith based on Offshore Chemox current knowledge and experience of the products when properly stored, handled and applied under normal conditions. Offshore Chemox product are confident against defective materials and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Offshore Chemox endeavors to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

OFFSHORE CHEMOX

(AN ISO 9001: 2015 Certified Company)
Plot. No.1032/135 BPCL Petrol Pump
Campus, Gorewada Road, Gittikhadan
Square, Nagpur- 440013 (Maharashtra)
Phone:-07304444499, 8412843399
Email: info.offshorechemox@gmail.com
Web: www.offshorechemox.com



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