

ChemPlast SP 400

SNF Based Set Retarding and High Range Water Reducing Superplasticizer for Concrete

Description: - ChemPlast SP 400 is a naphthalene sulphonate based high range water reducing super plasticizer that improves the early and final strengths of concrete by giving realistic property. Due to selection of important chemicals improve concrete plasticity and concrete hardened property. It is compatible for dispersing in water as well as in concrete mix. It is compatible with all types of cement.

Characteristic Parameters

It conforms to specification prescribed in IS: 9103:1999

Test Parameters	Specification
Appearance	Brown Colour Liquid
Specific Gravity at 27°C	1.220 ± 0.02
Ph. at 27°C	≥ 6
Solid Content %	43 ± 1
Chloride Content %	0.0001

Features/Advantages

- ❖ Decreases the amount of water at least 10–20 % by weight of cementitious material.
- ❖ Enables lower water/cement ratio or high workability in the same water/cement ratio and easy pump-ability.
- ❖ Increases early and final strength.
- ❖ Improves concrete compressive and flexural strength.
- ❖ Compatible with most types of Portland cement.

Applications

- ❖ Pump able and Non- pump able ready-mix concrete.
- ❖ Wet Shotcrete.
- ❖ Precast and prefabricated concrete.
- ❖ Early de-molding.
- ❖ Reduce water demand.
- ❖ Easy concrete application.
- ❖ PQC

Application Methodology

- ❖ Add ChemPlast SP 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 to 2 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 SP 400 0.5-2 % 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 & 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:- 250 Kg barrel.

Shelf-Life and Storage Condition:- Shelf life is 12 months from the date of manufacturing when stored properly in 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

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