

## ChemPlast SP 300

Mid-Range SNF Based Superplasticiser for High Performance Concrete

Customized Construction Chemicals

**Description:** -ChemPlast SP 300 is a chloride free, super plasticizing admixture based on selected sulphonated naphthalene polymers. Due to modified naphthalene formaldehyde sulphonate condensate it gives excellent workability and consistency. It is instantly disperses in water therefore uniform mix in concrete.

### **Characteristic Parameters**

It conforms to specification prescribed in IS: 9103:1999

Test Parameters	Specification
Appearance	Brown Colour Liquid
Specific Gravity at 27°C	1.170 ± 0.02
Ph at 27°C	≥6
Solid Content %	35 ± 1
Chloride Content %	0.0001

### **Features/Advantages**

- ❖ Major increase in strength at early ages without increased cement contents are of particular benefit in precast concrete, allowing earlier stripping times.
- ❖ Makes possible major reductions in water: cement ratio which allow the production of high strength concrete without excessive cement contents.
- ❖ Use in production of flowing concrete permits easier construction with quicker placing and compaction and reduced labor costs without increasing water content.
- ❖ Increase durability, density and impermeability with better surface finishing.

### **Applications**

- ❖ In the production of pump-able and Non-pump-able.
- ❖ High-quality ready-mix concrete.
- ❖ Long transporting.
- ❖ Reduces cracking.
- ❖ Reduce permeability of hardened concrete.
- ❖ Precast industry.

### **Application Methodology**

- ❖ Add ChemPlast SP 300 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 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 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**

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