

# [Technical Information]

## Gujplast PCF-800

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### Gujarat Polysol Chemicals Pvt. Ltd.

Plot no.-1734, 3<sup>rd</sup> Phase, G.I.D.C, Vapi(Gujarat)-INDIA  
Tel-091-0260-2426407, Web: [www.gujaratpolysol.com](http://www.gujaratpolysol.com)

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- ❖ **Gujplast PCF 800 is a high range water reducing and accelerating admixture (ASTM C 494 –Type E). It gives high early strength.**
- ❖ **Gujplast PCF 800 is new generation superplasticizer containing carboxylic (COOH) group instead of sulphonic (SO<sub>3</sub>H) as in case of Melamine or Naphthalene Formaldehyde Sulphonate.**

**Nature:** Synthetic polycarboxylic Ether.

**Specification:**

Appearance	:	Pale yellowish to brown coloured liquid
pH value (As such)	:	5.5 to 6.5
Solubility	:	Readily soluble in water
Solid	:	50 ± 1%
Specific Gravity	:	1.108 ± 0.04
Chloride content	:	Below 0.02 %

**Properties:** The power packed (COOH) moiety is absorbed on hydrating cement grain in much greater amount than conventional superplasticizer, resulting excellent fluidity and yielding a Rheoplastic & Self Compacting Concrete (SCC) at low water cement ratio.

Due to steric-hindrance effect imparted by ether-function hydrophilic grafted chain attached to polymer, superior slump (workability) retention is achievable by use of Gujplast PCF 800. Gujplast PCF 800 is compatible with all of PCE products. Gujplast PCF 800 is compatible with lingo base plasticizer. Do not use blending with SNF base plasticizer.

*This information is based on our present state of knowledge and its indented to provide general notes on our products and their uses. It should not therefore be constructed as guaranteeing specific properties of the products described on suitability for particular application.*

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**Advantage:** The advantage of Gujplast PCF 800 are as below,

- High water reducing ability.
- Improvement early strength.
- Improve concrete setting time.
- Increase compressive and flexural strength of concrete at all ages.
- More than 40 % water reduction in high performance concrete.
- Linear water reduction through out the recommended dosage.
- Faster recycle of formwork owing to accelerated early strength development.

**Dosage:** 0.2 to 1.0 kilograms/100 kilograms cementitious material for most concrete mixes using typical concrete ingredients. However for silica fume concrete, the dosage may fall outside recommendation and site trials in case of critical workability and setting time parameters as per requisites to fix optimum dosage. To be mix with water and added to cement aggregate mixture. The best formulation should make on site after completing enough tests.

**Packing:** **Gujplast PCF 800** is available in 225 kg HDPE drum. **Alternative packing may be available upon request.**

**Caution:** Do not allow product to freeze or be stored in temperature below freezing. Do not mix Gujplast PCF 800 to any other products without pilot scale trial.

### **Pollution reducing & Environment friendly.**

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