

# [Technical Information]

## Gujplast PCT-155

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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 PCT-155 is a high slump retarding admixture (ASTM C 494 – Type D)**
- ❖ **Gujplast PCT-155 is an aqueous carboxylic acid copolymer as water reducing type superplasticizer for high performance concrete from the state-of-the-Art Polycarboxylate technology. Effect long distance transportation for a long period of time.**
- ❖ **Gujplast PCT-155 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 Brownish liquid
pH value (As such)	:	6.0 to 7.0
Solubility	:	Readily soluble in water
Solid	:	55 ± 1%
Specific Gravity	:	1.108 ± 0.02
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 chain attached to polymer, superior slump (workability) retention is achievable by use of Gujplast PCT-155. Gujplast PCT-155 is compatible with all of PCE products. Gujplast PCT-155 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 PCT-155 is as below,

- Improve the strength concrete through water reducing and slump retention in concrete.
- Easy to use any cement grade.
- Reduce slump lose and improve workability.
- More than 35 % water reduction in high performance concrete.

**Dosage:** 0.4 to 1.2 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.

**Packing:** **Gujplast** PCT-155 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 PCT-155 to any other products without pilot scale trial.

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

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