

Technical Data Sheet

PCF-655

- ❖ PCF-655 is a high range water reducing admixture (ASTM C 494 –Type F)
- ❖ PCF-655 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.
- ❖ PCF-655 is new generation superplasticizer containing carboxylic (COOH) group instead of sulphonic (SO₃H) as in case of Melamine or Naphthalene Formaldehyde Sulphonate.

Nature:	Synthetic polycarboxylic Ether.		
Specification:	Appearance	:	Brownish viscous liquid
	pH value (As such)	:	4.0 to 5.0
	Solubility	:	Readily soluble in water
	Solid	:	55 ± 1%
	Specific Gravity	:	1.10 ± 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 grafted chain attached to polymer, superior slump (workability) retention is achievable by use of PCF-655. PCF-655 is compatible with all of PCE products. PCF-655 is compatible with lingo base plasticizer. Do not use blending with SNF base plasticizer.

Advantage: The advantage of PCF-655 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 42 % water reduction in high performance concrete.

Dosage: 0.4 to 1.5 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: PCF-655 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 PCF-655 to any other products without pilot scale trial.

Pollution reducing & Environment friendly.