

PCCon® 500

Polycarboxylate Copolymer for Concrete Admixtures

Product Definition

PCCon 500 is a high early strength polycarboxylate copolymer designed for the production of polycarboxylate based chemical admixtures for concrete. PCCon 500 provides to high slump retention performance.

Advantages and Properties

- Provides excellent water reduce in concrete.
- Enables to produce flowable concrete mixtures with low water to binder ratios.
- Improves the early and ultimate strength of concrete.
- Provides high workability retention without significantly affecting the setting time of cement.

Technical Properties

Colour and form	Yellowish – Liquid
Chemical base	Polycarboxylate Copolymer
Density (kg/ltr)	1.090 – 1.130 (at +20 °C)
pH	3.0 – 7.0
Solid Content %	55.0 ± 2.0



Test Results

Concrete Mix Design					
CemI 42,5R kg	W/C %	Fine Agg. %	Coarse Agg. %	Admixture % of Cem	Air Content %
350	40%	53%	47%	0.5%	1.8%

Test Results					
Slump/Flow (mm)			Compressive Strength (Mpa)		
Initial	30 min.	60 min.	1 day	7 days	28 days
650	650	650	23.4	59.4	62.2

