

PCCon® 545

Polycarboxylate Copolymer for Concrete Admixtures

Product Definition

PCCon 545 is a high early strength polycarboxylate copolymer designed for the production of polycarboxylate based chemical admixtures for concrete.

Advantages and Properties

- Faster setting time and higher early strength application.
- 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.

Technical Properties

Colour and form	Yellowish, Clear – Liquid
Chemical base	Polycarboxylate Copolymer
Density (kg/ltr)	1.095 – 1.135 (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. %	Coars e Agg. %	Admixture % of Cem	Air Content %
350	35%	53%	47%	0.6%	1.8%

Test Results					
Slump/Flow (mm)			Compressive Strength (Mpa)		
Initial	30 min.	60 min.	1 day	7 days	28 days
650	630	610	30,2	57,1	60.5

