Technical Data Sheet

Polycarboxylate Superplasticizer

Product Description PCE SP630

Michem Polycarboxylate Superplasticizer Powder (PCE SP 630) is a high performing polycarboxylate superplasticizer in powder form, also known as a High-Range Water Reducer, water-reducing concrete admixtures or PCE based Super-plasticizers . It is a free-flowing, spray-dried powder based on modified polycarboxylates, co-polymers. The product provides excellent water reduction and superior slump retention, making it an ideal choice for drymix mortar formulations and Readymix concretes.Specially engineered for Portland cement-based systems, SP630 enhances cementitious material fluidity without increasing water demand.

Specifications and Characteristics	
Grade	PCE SP630
Appearance	White to light yellow powder
Composition	Modified polycarboxylic ether
Solid Content	≥98%
Water Reduction Ratio	≥35%
Air Content	≤ 3%
Bulk Density	400 ~ 700 g/L
pH-value (20 °C), 20 % solution	6 ~ 8
Recommended Dosage	0.5% ~ 1.0% of the cement weight

The actual dosage should be determined based on specific tests.

Typical Applications

Drymix mortars: tile adhesives, grouts, repair mortars, self-leveling compounds
Grouting materials and post-tensioning duct grouts
Building plaster, render, stucco, filling compound
Self-levelling and self-compacting concretes with low w/c-ratio
Precast and ready-mix concrete

Features/Benefts

Provide better slump retention, easier to work with.
Lower water-cement ratio, higher strength and durability.
Achieve higher early and final strength.
Improved compaction and reduced permeability enhance the durability.
Cost effective, structurally economic

Packaging

25 kg / paper bag
Custom packing available.

Storage

Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +45°C. Protect from direct sunlight and frost.