



CONTROL™ PCE 500

High-Performance Polycarboxylate Ether Superplasticizer – Powder Form

CONTROL™ PCE 500 is a high-performance powdered superplasticizer based on advanced polycarboxylate ether (PCE) technology. Designed for efficient water reduction and superior flow characteristics at low addition rates, CONTROL™ PCE 500 is ideal for drymix formulations requiring high early strength, enhanced workability, and dimensional stability.

APPLICATIONS

Suitable for a broad range of gypsum and cement-based applications, including:

- Self-levelling compounds (SLC)
- Tile adhesives
- Repair mortars
- Grouts (including non-shrink)
- Feather edge and floor screeds
- Stucco and renders

KEY FEATURES

- High water reduction at low dosage
- Enhanced flow and slump retention
- Improves surface finish and density
- Powder form compatible with dry-blend systems
- Stable performance across a wide range of binder systems

USAGE GUIDELINES

CONTROL™ PCE 500 should be dry-blended with other powdered components. Typical dosage is 0.1–0.3% by weight of total cementitious materials. Actual dosage should be verified through lab and field trials to ensure compatibility and optimal performance in specific formulations.

PRODUCT SPECIFICATIONS

Parameter	Typical Value / Range
Appearance	White, free-flowing powder
Solids Content (%)	≥ 98.0
Active Content (%)	≥ 94.0
Particle Size (D50 µm)	70–100
Bulk Density (g/L)	350–550
pH (1% solution)	7–9





**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 25 kg paper bags with PE liner
- 500 kg jumbo bags (supersacks)

STORAGE & SHELF LIFE

Store in original, sealed packaging in a dry area, away from direct sunlight and humidity.
Recommended storage temperature: below 35°C.

Shelf life: 12 months from date of manufacture under suitable conditions.

SAFETY

Refer to the product Safety Data Sheet (SDS) prior to use. Use appropriate PPE and follow standard industrial hygiene practices when handling dry chemical powders.