



CONTROL™ PCE 800

DESCRIPTION

CONTROL™ PCE 800 is a high-performance, powder-form polycarboxylate ether (PCE) superplasticizer designed for use in high-fluidity gypsum-based building materials and ultra-low water-to-binder ratio cement systems. It is manufactured through an optimized molecular configuration and synthesis process to provide excellent dispersion, improved flowability, and enhanced early mechanical strength.

KEY FEATURES

- High-range water reducer for excellent flow properties
- Suitable for high-fluidity gypsum-based systems
- Outstanding dispersion in ultra-low water binder ratio cement systems
- Improves early mechanical properties
- Minimal effect on setting time
- Contains no intentionally added chloride
- Non-corrosive to steel reinforcement
- Stable performance and environmentally friendly

APPLICATIONS

- Desulfurized gypsum systems
- Phosphogypsum systems
- High-strength gypsum formulations
- Gypsum/cement composite systems
- Gypsum/cement-based self-leveling mortars
- Repair mortars
- High-wind electric grouting applications
- UHPC formulations
- GRG/GRC precast components

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	White powder with good fluidity
Solid Content	Min. 98%
Particle Size (D50)	Approx. 70–100 µm
Bulk Density	500–750 g/L
Active Content	Min. 92%
pH	7.0–9.0



**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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USAGE & DOSAGE

CONTROL™ PCE 800 should be dry blended homogeneously with other dry mortar ingredients and packaged as a single product. At the job site, the blended material should be mixed with the recommended amount of water before application.

Recommended dosage: 0.1%–0.5% based on the weight of cementitious material. Actual dosage should be determined through preliminary testing according to local raw materials and construction requirements.

PACKAGING

Available in 25 kg paper bags with an inner polyethylene liner. Other packaging options may be available according to customer requirements.

STORAGE & HANDLING

Store in a cool, dry place in original unopened packaging. Protect from moisture and humidity to maintain product performance. Reseal opened bags promptly after use.

SAFETY

Refer to the relevant Safety Data Sheet before handling. Use appropriate personal protective equipment and follow good industrial hygiene and handling practices.