TECHNICAL DATA SHEET

FLOREY® Powder Water Retention Agent

Powder Water Retention Agent 1702

Water Retention Additive for Concrete Admixtures

Supplier: Luoyang Florey Import and Export Co., Ltd.

Website: www.floreyconcrete.com

Product Description

Powder Water Retention Agent 1702 is a water-soluble polymeric viscosity modifier based on a superabsorbent resin. It is used in finished polycarboxylate (PCE) water reducers.

Applications

Helps retain water, increase paste viscosity and improve aggregate coating and workability. It helps reduce bleeding, segregation and aggregate settling in mixes with poor aggregate grading.

Product Specification

Item	Specification
Appearance	White or pale yellow powder
pH (1% aqueous solution)	6.0–9.0
Moisture (%)	≤8.0
Water-insoluble matter (%)	≤1.5

Guidelines for Use

For admixtures dosed at 2.0%, use 0.01% to 0.2% by mass of the finished admixture. Dissolve 1702 in the PCE mother liquor first, then add water and continue stirring until dissolved. For bleeding and segregation, use 0.5–1.5 kg per tonne of admixture when using 1702 alone. For loose mixes with exposed aggregate and insufficient paste, use 0.5–1.0 kg per tonne with an air entraining agent. To reduce sensitivity to changes in aggregate grading or moisture, use 0.1–0.2 kg per tonne.

Storage and Handling

Store sealed in a dry place at 10–30°C, away from direct sunlight. Shelf life is 3 months. After this period, use only if the product passes testing.

Packaging

Available in 25 kg bags.

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