TECHNICAL DATA SHEET

FLOREY® Liquid Water Retention Agent

Liquid Water Retention Agent 1700

Water Retention Additive for Concrete Admixtures

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

Website: www.floreyconcrete.com

Product Description

Liquid Water Retention Agent 1700 is a liquid additive for admixture formulations. It helps retain water in fresh concrete and reduce bleeding and segregation.

Applications

For concrete prone to bleeding, particularly mixes made with poorly graded manufactured sand. It can be blended with polycarboxylate, aminosulfonate, aliphatic, melamine and lignosulfonate water reducers.

Product Specification

Item	Specification
Appearance	Reddish-brown to black liquid
Density (g/cm³)	1.02–1.12
pH (1% aqueous solution)	6.5–9.5
Viscosity at 20°C (mPa·s)	20–220
Solids content (%)	≥12

Guidelines for Use

For admixtures used at a dosage of 2.0%, start at 10 kg per tonne of admixture for manufactured-sand concrete with poor grading and bleeding. Increase by 10–20 kg per tonne per trial, up to 50 kg per tonne. For minor viscosity adjustment in high-strength concrete, trial 20 kg per tonne. If bleeding appears after five minutes at rest, start at 5 kg per tonne. Adjust the dosage based on trial results.

Storage and Handling

Store at 0–40°C away from direct sunlight. Shelf life is 3 months. After this period, use only if the product passes testing. If frozen, thaw completely in the container and stir until uniform before use.

Packaging

Available in 200 kg drums and 1000 kg IBC tanks.

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