RETEMPO®

High-Range Water-Reducing Concrete Admixture

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RETEMPO® is a high-range water-reducing admixture for lowering the water-to-cement ratio and producing high-strength concrete. Its extended slump-retention performance is intended to support ready-mix production, transport and placement during summer and in hot-weather conditions.

Applications

- High-strength concrete production in hot weather
- Long-distance summer transport without loss of workability or flowability
- Self-compacting, high-performance and fibre-reinforced concrete
- Mass concrete and prolonged placements
- Small, heavily reinforced sections
- Increasing concrete strength
- Durability-oriented concrete

Approvals / Standards

- ASTM C1017 Type II
- ASTM C494 Type G
- ACI 212.3R-16
- INSO 2930

Advantages / Benefits

- Extended retention of workability and slump
- Easier pumping and reduced equipment wear
- Improved durability and reduced permeability
- Compatibility with different cements, admixtures and mineral additions
- No stated delay or interference with setting and strength development
- Improved pumpability with reduced segregation and bleeding
- Reduced risk of cold joints in continuous, time-consuming placements
- Lower dosage due to high water-reducing capacity

Guideline for Use

Use RETEMPO only at the batching plant. Its slump-retaining polycarboxylate formulation is designed for gradual adsorption during transport, thereby retaining concrete flowability and workability. Controlled batching is recommended to avoid problems associated with manual or delayed addition at the job site.

Dosage

0.2 to 1% by weight of cement. Depending on the concrete mix design, increasing the dosage may provide greater water reduction, higher flowability and longer slump retention.

Storage

+10°C to +30°C, in dry conditions and away from direct sunlight

Packaging

20 kg can / 1,100 kg tank

Shelf Life

One year from production in the original packaging

Basis Of Data

Product Information

Chemical base	Polycarboxylate ether
Physical state / color	Liquid / translucent amber
Density	1.11 ± 0.05 g/cm^3
pH	3-6
Chloride ion content	None

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