BARITON®

High-Range Water-Reducing Concrete Admixture

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BARITON® is a high-range water-reducing admixture for lowering the water-to-cement ratio and producing high-strength concrete. Its long-term slump-retention performance is intended to facilitate ready-mix concrete production and transport during summer and in hot weather.

Applications

- High-strength concrete production at the batching plant
- Long-distance concrete transport in hot weather
- Self-compacting concrete (SCC)
- Large-volume and prolonged concrete placements
- Thin, heavily reinforced sections
- Fibre-reinforced concrete
- Increasing 3-day, 7-day and 28-day strength
- Concrete made with crushed aggregates
- Placement in slabs, foundations, columns, walls and bridges

Approvals / Standards

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

Advantages / Benefits

- High effectiveness and reduced dosage
- Extended workability and high slump retention
- Easier pumping and reduced equipment wear
- Reduced permeability
- Slump retention without a stated delay in compressive-strength development
- Reduced risk of cold joints during prolonged placement

Guideline for Use

Use BARITON only at the batching plant. Its slump-retaining polycarboxylate components are designed to act progressively during concrete transport and retain free water and workability as hydration advances. Controlled batching-plant addition is recommended to avoid problems associated with manual or delayed job-site addition.

Dosage

0.2 to 0.8% 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

Health and Safety

- Do not swallow and avoid contact with the eyes.
- In case of accidental skin or eye contact, rinse immediately with plenty of fresh water.
- Non-flammable.

Basis Of Data

Product Information

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

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Tel: (+98)2533557596
Mail : info@Ramkaco.com
1st Floor, Loghman St., Qom, Iran

www.RamkaCo.com

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