

BARITON

Concrete Power Plasticizer



RAMKA
CONSTRUCTION
CHEMICALS

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

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

Approvals / Standards

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

Directions 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.

Compatibility

Not specified in the approved source.

Product Information

Property	Approved value
Chemical base	Polycarboxylate ether
Physical state / color	Liquid / transparent amber
Density	1.11 ± 0.05 g/cm ³
pH	Not specified in the approved source.
Chloride ion content	None

Packaging

20 kg can / 1,100 kg tank

Storage

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

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.

Source Control Note

Translated from the approved Persian 1404.12.04 master. The source pH string is corrupted and was not silently interpreted.