

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 extended slump-retention capability is intended for concrete production in hot weather and for reducing workability loss before delivery to the job site.

Applications

- High-strength concrete production at the batching plant
- Long-distance transport in hot weather
- Self-compacting, fibre-reinforced and high-strength concrete
- Prolonged concrete placements
- Thin, heavily reinforced sections
- 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
- Compatibility with different cement types and supplementary cementitious materials
- 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 for gradual adsorption on cement particles during transport, retaining 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 0.9% 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 / translucent amber
Density	1.11 ± 0.05 g/cm ³
pH	3-6
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

Not specified in the approved source.

Source Control Note

Translated from the approved Persian 1404.12.04 master. No safety statement was inferred from neighbouring products.