

INDEX[®]

Water-Reducing Concrete Admixture



RAMKA
CONSTRUCTION
CHEMICALS

INDEX[®] is a water-reducing concrete admixture for increasing slump and flowability in hot-weather conditions while delaying concrete setting. It gives the concrete a plastic consistency, facilitates pumping and helps limit bleeding and segregation.

Applications

- Pumping concrete through long pipelines
- Increasing slump and flowability at the job site
- Extended slump retention during summer
- Concrete made with rapid-setting cements
- Reducing cold-joint risk during prolonged placement
- Exposed concrete requiring smooth surfaces
- Concrete made with highly absorptive aggregates

Approvals / Standards

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

Advantages / Benefits

- Improved concrete slump and workability
- Retention of flowability and slump during the first hour of summer placement
- Reduced bleeding and segregation
- Reduced permeability
- Improved durability and strength
- Easier pumping through long pump lines
- Reduced pump wear costs
- Economical mix-design potential
- Reduced surface cracking
- Improved cohesion in poorly graded concrete

Guideline for Use

For job-site addition, visually assess the concrete flowability, bring the concrete to the truck-mixer opening and add INDEX directly onto the concrete while avoiding the drum walls. Return the load to the drum and mix at high speed for 5 minutes. Recheck flowability and discharge when accepted; otherwise repeat the approved procedure.

Dosage

0.5 to 1.5% by weight of cement. The exact dosage is selected according to project conditions.

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

- Keep in closed containers away from direct sunlight.
- Do not swallow and avoid contact with the eyes.
- In case of accidental skin or eye contact, rinse immediately with plenty of fresh water.
- If swallowed, seek medical attention immediately.
- Refer to the Safety Data Sheet (MSDS).
- Non-flammable.

Basis Of Data

Product Information

Chemical base	Calcium lignosulfonate
Physical state / color	Liquid / brown
Density	$1.12 \pm 0.05 \text{ g/cm}^3$
pH	7 ± 2
Chloride ion content	None



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