

# OptiFlo® 500

## Water-Reducing Admixture for Concrete

### DESCRIPTION:

**OptiFlo® 500** is a multi-component admixture which is carefully formulated to enhance the quality and performance characteristics of plastic and hardened concrete. Its unique chemistry results in more complete and efficient hydration of the cementitious materials in the concrete matrix, and provides improved strength, durability, finishability and overall appearance.

### ADVANTAGES:

- Improves the quality of concrete by decreasing water-cement ratio for a given workability
- Increases early and ultimate compressive and flexural strengths
- Provides superior concrete finishability
- Improves workability and ease of placement and consolidation
- Improves pumpability of concrete
- Provides uniform control of setting characteristics
- Reduces cracking and shrinkage
- Increases relative freeze-thaw durability

### DOSAGE RATE:

**Important:** These recommended dosages are for when there are no additional water reducers in the mix design. When using water reducing admixtures in combination to meet ASTM standards, the dosages will vary. Consult your local technical sales representative for those combination dosages.

**OptiFlo® 500** is recommended for use at a dosage rate of 2 to 3 ounces per 100 pounds (130 to 195 mL per 100 kg) of cementitious materials for normal setting characteristics, and 3 to 5 ounces per 100 pounds (195 to 325 ml per 100 kg) of cementitious materials for retarded set times.

Because local job conditions vary, please contact your local technical sales representative for further assistance if using outside recommended dosage ranges.



### COMPATIBILITY:

**OptiFlo® 500** is compatible with all types of Portland cement, class C and F fly ash, microsilica, ground granulated blast furnace slag, calcium chloride, fibers and approved air entraining, accelerating, retarding, and high-range water-reducing admixtures. **OptiFlo® 500** can be used in all white, colored, and architectural concrete. For best results, each admixture must be dispensed separately into the concrete mix. **For best results, each admixture should be dispensed separately into the concrete mix.**

### SPECIFICATIONS:

Conforms to ASTM C 494 type A & D AASHTO M 194 Type A & D CRD C 87 Type A & D

### TECHNICAL NOTE:

**OptiFlo® 500** does not contain calcium chloride or any chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.



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### STORAGE

**OptiFlo® 500** may freeze at temperatures below 35°F (2°C). Although freezing does not harm **OptiFlo® 500**, precautions should be taken to protect it from freezing. If it should happen to freeze, thaw and reconstitute with mechanical agitations. **Do Not Use Pressurized Air For Agitation.**

### PACKAGING:

55-gallon drums, 275- gallon totes, and bulk tank truck

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