

OptiFlo® 700

Mid-Range Water-Reducing Admixture for Concrete

DESCRIPTION:

OptiFlo® 700 is a ready to use aqueous solution of complex compounds which enhance the performance of plastic and hardened concrete. **OptiFlo® 700** is manufactured under rigid quality control measures to provide uniform, reliable results.

USES:

OptiFlo® 700 is recommended for concrete mixes where improved workability, pumpability and finishability is desired while maintaining or reducing the w/cm ratio. **OptiFlo® 700** provides uniform, normal set times, improves cementitious paste performance and can be used to increase early and ultimate strengths.

ADVANTAGES:

- Provides increased slump and flowability without increased water content
- Improves concrete quality by reducing the water-cement ratio for a given degree of workability
- Improves workability and consolidation
- Improves concrete finishability and surface quality
- Provides lubrication and enhances pumpability, including lightweight aggregate mixes
- Improves manufactured sand mixes
- Improves cement hydration/utilization
- Provides uniform, normal set, including GGBF (slag) and fly ash mixes.
- Increases early and ultimate strengths
- Reduces cracking and shrinkage
- Reduces concrete permeability
- Improves concrete durability

DOSAGE RATE:

OptiFlo® 700 is recommended for use at a dosage rate of 2 to 14 fluid ounces per 100 pounds (130 to 912 mL per 100 kg) of cement.

Because local job conditions vary, please contact your local Premiere Concrete Solutions Specialist for further assistance if using outside recommended dosage ranges.

SPECIFICATIONS:

Conforms to ASTM C 494 Type A and F
ASTM C-1017 Type 1
AASHTO M 194 Type A and F
CRD C 87 Type A and F

TECHNICAL NOTE:

OptiFlo® 700 does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

STORAGE:

OptiFlo® 700 may freeze at temperatures below 35°F (2°C). Although freezing does not harm **OptiFlo® 700**, precautions should be taken to protect it from freezing. If it should happen to freeze, thaw and reconstitute with mechanical agitation. **Do Not Use Pressurized Air For Agitation.**



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COMPATIBILITY:

OptiFlo[®] 700 is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining, accelerating, retarding, and super plasticizing admixtures.

Field evaluations to determine proper air entrainment dosage rates are suggested when using **OptiFlo[®] 700**. It may be possible to reduce the air entraining admixture dosage rate to achieve the desired air content of the concrete mix.

OptiFlo[®] 700 can be used in all white, colored, and architectural concrete. For best results, each admixture must be dispensed separately into the concrete mix.

PACKAGING:

55-gallon drums and bulk deliveries.

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