

OptiFlo® Plus

Accelerating Mid-Range Water-Reducing Admixture for Concrete

DESCRIPTION:

OptiFlo® Plus is a unique formulation that combines multiple technologies in order to achieve varying performance with different dosages. **OptiFlo® Plus** is the first admixture formulated to meet ASTM C494 type A, E, and also give increased acceleration with High Range Water Reduction. **OptiFlo® Plus** gives concrete producers, contractors and designers the ability to place low water cementitious ratio mixes with accelerated rate of sets for such applications as early traffic opening or rapid form cycling. **OptiFlo® Plus** will increase the finishability and set times of conventional concrete especially binary and ternary mixes, and can be used in achieving freeze resistant concrete in temperatures as low as 15°F.

OptiFlo® Plus is recommended for mixes where significant water reduction, improved cement performance, accelerated set times and enhanced finishing characteristics are desirable. **OptiFlo® Plus** is especially effective in improving the performance of mixes containing fly ash and/or GGBFS (slag).

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
- Provides set control for high performance concrete mixes incorporating pozzolans such as fly ash and/or GGBF.
- Reduces pump pressure and speeds concrete placement
- Increases early and ultimate strengths
- Reduces cracking and shrinkage
- Improves concrete durability
- Improves workability and finishability
- Improves cement hydration & efficiency



COMPATIBILITY:

OptiFlo® Plus 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.

DOSAGE RATE:

OptiFlo® Plus is recommended for use at a dosage rate of 5 – 10 oz. cwt (324 – 627 ml per kg) of cementitious for Type A; 10 – 60 oz. cwt (627 – 3897 ml per kg) of cementitious for type E; and 20 – 90 oz cwt (1299 – 5846 ml per kg) of cementitious for Accelerated High Range Water Reduction depending on water cementitious ratio.

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

SPECIFICATIONS:

Conforms to ASTM C494 Type A, E, & F AASHTO M194 Type A, E, & F CRD C87 Type A, E, & F



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STORAGE

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

PACKAGING:

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

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