

OptiFlo® Plus

Accelerating Water-Reducing Admixture for Concrete

PRODUCT INFORMATION

PACKAGING

Packaged in 55 gallon drums, 275 gallon totes, and in bulk.

SHELF LIFE

2 years in original unopened container.

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 it should happen to freeze, thaw and reconstitute with mechanical agitation.

SPECIFICATIONS/COMPLIANCES

ASTM C494 Type A and E
AASHTO M 194 Type A and E

DESCRIPTION

OptiFlo® Plus is a unique formulation that combines multiple technologies to achieve various performance objectives with different dosages. **OptiFlo® Plus** is the first admixture formulated to meet ASTM C494 Type A and Type E, combining 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.

PERFORMANCE BENEFITS

- Superior finishability
- Accelerates set time
- Freeze resistant concrete
- Reduces w/cm ratio
- Improves workability
- Increases early compressive/flexural strengths
- Reduces cracking and shrinkage

DOSAGE RATES AND DIRECTIONS FOR USE

By varying the dosage rate, **OptiFlo® Plus** can be used as a Type A water reducing admixture, or a Type E water reducing and accelerating admixture.

Recommended Dosage OptiFlo® Plus		
Water Reducer (Type A)	5 - 10 oz/cwt	325 – 650 mL/100kg
Water Reducer and Accelerator (Type E)	10 - 90 oz/cwt	650 – 5850 mL/100kg
<i>Dosage is per hundred-weight of cementitious material.</i>		

For best results, each admixture must be batched at separate intervals with the initial or final batch water, and should not come in direct contact with any other admixture until they are mixed in the concrete batch. Admixtures should not come in contact with any dry cementitious material.

TECHNICAL NOTES

OptiFlo® Plus is compatible with Portland cements, blended cements, class C and F fly ash, slag cements, silica fume, calcium chloride, and fibers. **OptiFlo® Plus** can be used in all white, colored, and architectural concrete.

PRECAUTIONS/LIMITATIONS

This product does not contain calcium chloride or chloride containing compounds, and any chloride ions present are in trace amounts resulting from municipal water used during the manufacturing process.

This product is compatible with most other admixtures when added to the mix separately. Always conduct trial batches, prior to job applications, to confirm compatibility and to verify mix results. Contact your technical sales representative before dosing outside of recommended ranges or for assistance with specialty applications.

In all cases, consult the safety data sheet prior to use.

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