

UltraFlo® DP

High-Range 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

UltraFlo® DP may freeze at temperatures below 35°F (2°C). Although freezing does not harm **UltraFlo® DP**, 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.**

SPECIFICATIONS/COMPLIANCES

ASTM C494 Type A and F
ASTM C1017 Type 1
AASHTO M 194 Type A and F

DESCRIPTION

UltraFlo® DP is a polycarboxylate based water-reducer. This ready to use aqueous solution is designed to provide numerous performance benefits resulting from the unique co-polymer chemistry. **UltraFlo® DP** enhances the performance of plastic and hardened concrete. **UltraFlo® DP** is manufactured under rigid quality control measures to provide uniform, reliable results.

PERFORMANCE BENEFITS

- Effective for producing self-consolidating concrete, with spread in excess of 28"
- Enables multi-castings per day in precast concrete production
- Improves form surfaces
- Reduces w/cm ratio by up to 40%
- Improves mix cohesiveness
- Optimizes cementitious efficiency
- Dramatically increases compressive/ flexural strengths
- Recommended for precast applications

DOSAGE RATES AND DIRECTIONS FOR USE

By varying the dosage rate, **UltraFlo® DP** can be used as a low-range or high-range water reducing admixture.

Recommended Dosage UltraFlo® DP		
Low-Range Water Reducer Applications	Up to 4 oz/cwt	Up to 260mL/100kg
High-Range Water Reducer Applications	4 – 14 oz/cwt	260 – 912mL/100kg
<i>Dosage is per hundred-weight of cementitious material.</i>		

UltraFlo® DP dosage rate depends on desired performance characteristics, mix variables, and conditions at time of placement. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials used.

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

UltraFlo® DP is compatible with Portland cements, Portland limestone cements, blended cements, class C and F fly ash, slag cements, silica fume, calcium chloride, and fibers. **UltraFlo® DP** 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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