

UltraFlo® 5600

Multi-Range Water-Reducing Admixture for Concrete

DESCRIPTION:

UltraFlo® 5600 is a normal setting multi-range water reducing admixture for concrete. It is designed to facilitate the placing and finishing of concrete that is highly flowable and workable for extended periods of time with normal setting characteristics. By varying the dosage rate, **UltraFlo® 5600** can be used as a normal, mid-range and high-range water-reducing admixture.

ADVANTAGES:

- Improves the quality of concrete by decreasing water-cement ratio
- Increases early and ultimate compressive and flexural strengths
- Improves durability and reduces permeability
- Reduces water content needed for a given workability
- Reduces excess surface bleeding
- Reduces cracking, creep, and shrinkage
- Improves concrete viscosity, reduces segregation and increases cohesiveness
- Improves paste quality, concrete finishability and workability
- Improves pumpability of concrete
- Reduces “bug-holes” and improves formed surfaces
- Maintains slump life during extended mixing times
- Improves bond strength to the steel

COMPATIBILITY:

UltraFlo® 5600 is compatible with all types Portland cement, class C and F fly ash, silica fume, GGBFS, fibers, approved air entraining, and water-reducing admixtures. **UltraFlo® 5600** can be used in white, colored, and architectural concrete. For best results, each admixture must be introduced separately into the concrete mix.



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 reps for those combination dosages.

UltraFlo® 5600 admixture has a recommended dosage range of up to 4 fluid ounces per 100 pounds (260 mL per 100 kg) to meet ASTM C 494 Type A applications.

UltraFlo® 5600 admixture has a recommended dosage range of 4 to 8 fluid ounces per 100 pounds (260 to 520 mL per 100 kg) for use in mid-range applications.

UltraFlo® 5600 admixture has a recommended dosage range of 8 to 14 fluid ounces per 100 pounds (520 to 910 mL per 100 kg) to meet ASTM C 494 Type F applications.

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



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SPECIFICATIONS:

Conforms to: ASTM C 494 Types A and F ASTM C 1017
AASHTO M194 Types A and F CRD C 87 Types A and F
All other Federal and State specifications

TECHNICAL NOTE:

UltraFlo® 5600 does not contain calcium chloride or any chloride-based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

UltraFlo® 5600 conforms to the minimum chloride ion limits published by current construction industry standards.

DIRECTIONS:

UltraFlo® 5600 should be added with the initial mixing water or incorporated with the final water at the end of the batch sequence.

STORAGE

UltraFlo® 5600 may freeze at temperatures below 35°F (2°C). Although freezing does not harm **UltraFlo® 5600**, precautions should be taken to protect it from freezing. If it should freeze, thaw at 45°F and reconstitute with mechanical agitation. **Do Not Use Pressurized Air For Agitation.**

PACKAGING:

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

SHELF LIFE:

18 Months

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