

NexCrete™ 1610

Mid-Range Water Reducing Admixture

General Description

NexCrete™ 1610 is a normal setting multi-range water-reducing admixture for concrete utilizing polycarboxylate technology. It is designed to facilitate the placing and finishing of ready-mixed concrete that is highly flowable and workable for extended periods of time with normal setting characteristics. By varying the dosage rate, Nexcrete 1610 can be used as a normal, mid-range and high-range water-reducing admixture.

Features/Advantages

- Improves the quality of concrete by decreasing water-cementitious ratio
- Increases high early and ultimate strengths both compressive and flexural
- High durability and increased density
- Reduces damage caused by freezing and thawing
- Reduces water content needed for a given workability (12-40%)
- Reduces surface bleeding, cracking, creep, and shrinkage
- Reduces segregation and increase cohesiveness
- Improves finishability, workability of concrete and pumpability of concrete
- Maintains slump life during extended mixing times
- Plasticity range of 8 to 11 inches
- Improves bond strength to the steel
- Reduces permeability and salt penetration

How to Use/Dosage

NexCrete 1610 should be added with the initial mixing water or incorporated with the final water at the end of the batch sequence. It is not unusual to experience significantly lower air entrainment dosage requirements (50-75%) when compared to conventional high-range water reducers.

- Dosage to meet ASTM C 494 Type F applications: 7 to 20 fl. oz. per 100 lbs.
- Dosage to meet: ASTM C 494 Type A applications: up to 3 fl. oz. per 100 lbs.
- Dosage to meet mid-range applications: 3 to 6 fl. oz. per 100 lbs.

Due to variations in concrete materials, job site conditions and applications, dosages outside of the recommended range may be required. In such cases, contact your local Riteks Construction Chemical Representative. Note: NexCrete 1610 does not contain calcium chloride or any chloride-based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

Specifications

Conforms to: ASTM C 494 Types A & F
AASHTO M 194 Types A and F
CRD C 87 Types A and F
All other Federal & State specifications

Compatibility

All types Portland cement, class C & F, fly ash, silica fume, fibers, approved air entraining, and water-reducing admixtures. Can be used in white, colored, and architectural concrete. For best results, each admixture must be introduced separately into the concrete mix.

Health & Environmental Data

Please refer to the Safety Data Sheet for complete health, safety and environmental information.

Packaging / Shelf Life

55 gallon drum • Totes • Bulk deliveries.
Shelf life: 18 months.

Storage

Protect from freezing. If frozen, thaw at 45°F and reconstitute with mechanical agitation. DO NOT use pressurized air for agitation.

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