

NexCrete HTX

High-Range Water Reducing Admixture

General Description

Riteks NexCrete HTX is a high-range water-reducing admixture utilizing new and superior polycarboxylate technology for concrete. It is designed to facilitate the placing and finishing of concrete that is highly flowable and workable with greatly accelerated strength characteristics. NexCrete HTX is ideally suited for ready mix and self consolidating concrete mixes.

Features/Advantages

- Significant water reduction
- Reduces water content needed for a given workability (12-14%)
- Improves surface aesthetics and reduces bug holes
- 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 surface bleeding, cracking, creep, and shrinkage
- Reduces segregation and increases cohesiveness
- Improves finish ability and workability of concrete
- Improves bond strength to the steel
- Reduces permeability and salt penetration
- No Viscosity Modifying Admixture needed for self consolidating concrete

How To Use & Dosage

Mixing: NexCrete HTX is recommended for use at a dose of 3 to 18 fluid ounces per 100 pounds of cementitious to meet the requirements of ASTM C 494 Type A water-reducing and Type F high-range water-reducing admixture. When formulating mixes for self consolidating concrete, consult with you local Riteks technical service representative for aggregate analysis.

Mix Design Data: 700 lbs (415 kg) Type III cement. Concrete temperature, 70°F (21°C). 27 inch slump, 5% Air content 7.0 Oz/cwt, steam cured.

Directions: NexCrete HTX 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 (50-70%) when compared to conventional high-range water reducers.

Note: NexCrete HTX does not contain calcium chloride or any chloride-based components. It will not promote or contribute to corrosion of reinforcing steel in concrete and conforms to the minimum chloride ion limits published by current construction industry standards.

Health And Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations

Specifications

Conforms to:

ASTM C 494 Types A and F
AASHTO M 194 Types A and F
CRD C 87 Types A and F

All other Federal and State specifications

Compatibilities

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

Packaging/Storage

Totes | Bulk
May freeze at temperatures below 35°F. Precautions should be taken to protect it from freezing. If frozen, thaw at 45°F and reconstitute with mechanical agitation. Do not use pressurized air for agitation. Product should be used within 18 months of delivery.



Scan to Request
a Sample

281.569.3500
service@riteks.com