

# NitroCast® 701

## Water-Reducing, Accelerating Admixture for Concrete

### DESCRIPTION:

**NitroCast® 701** is a ready to use aqueous solution of complex compounds and non-chloride accelerators which provides the benefits of water reduction combined with excellent set and early strength acceleration. **NitroCast® 701** enhances the performance of plastic and hardened concrete. **NitroCast® 701** is manufactured under rigid quality control measures to provide uniform, reliable results.

### USES:

**NitroCast® 701** is recommended for concrete mixes where reduced water content, improved finishability, accelerated set, reduced curing costs and very high early strengths are desirable. **NitroCast® 701** enables multi-castings per day in precast concrete production.

### ADVANTAGES:

- Dramatically increases early compressive and flexural strengths without detriment to ultimate strengths
- Reduces set time, curing time and costs
- Improves the quality of concrete by decreasing water-cement ratio
- Improves finishability
- Improves surface texture and appearance
- Improves cement hydration and maximizes cement performance providing maximum psi/lb CM.



### DOSAGE RATE:

**NitroCast® 701** is recommended for use at a dosage rate of 10 to 90 fluid ounces per 100 pounds (650 to 5864 ml per 100 kg) of cement or other cementitious materials. **NitroCast® 701** dosage rates are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.

Because local field conditions vary, contact your local Premiere Concrete Solutions Specialist for further assistance if using outside recommended dosage ranges.

### SPECIFICATIONS:

Conforms to ASTM C 494 Type C and E  
AASHTO M 194 Type C and E  
CRD C 87 Type C and E

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## TECHNICAL NOTE:

**NitroCast® 701** does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

## COMPATIBILITY:

**NitroCast® 701** is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air-entraining and water-reducing admixtures. **NitroCast® 701** can be used in all white, colored, and architectural concrete. For best results, each admixture must be dispensed separately into the concrete mix.

## STORAGE:

**NitroCast® 701** may freeze at temperatures below 5°F (2°C). Although freezing does not harm **NitroCast® 701**, precautions should be taken to protect it from freezing. If it should happen to freeze, thaw and reconstitute with mechanical agitation.

## PACKAGING:

55-gallon drums, 275 gallon totes and bulk deliveries.

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