

# NitroCast® 701

## Accelerating and 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

**NitroCast® 701** freezes below 5°F. 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. **Do not use pressurized air for agitation.**

#### SPECIFICATIONS/COMPLIANCES

ASTM C494 Type C and E  
 AASHTO M 194 Type C and E

### 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.

### PERFORMANCE BENEFITS

- Increases early compressive/ flexural strengths
- Accelerates set time
- Improves finishability
- Improves surface texture and appearance
- Improves hydration
- Enables multi-castings per day in precast concrete production

### DOSAGE RATES AND DIRECTIONS FOR USE

**NitroCast® 701** is recommended for use at a dosage rate of 10 to 90 oz/cwt of cementitious material. (650 to 5850 mL/100 kg)

**NitroCast® 701** 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

**NitroCast® 701** is compatible with Portland cements, blended cements, class C and F fly ash, slag cements, silica fume, calcium chloride, fibers, air-entraining and water-reducing admixtures. **NitroCast® 701** can be used in all white, colored, and architectural concrete.

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## 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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