

NitroCast® HE

Accelerating 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® HE freezes below 5°F. Although freezing does not harm **NitroCast® HE**, 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
AASHTO M 194 Type C
CRD C 87 Type C

DESCRIPTION

NitroCast® HE is a ready to use aqueous solution of calcium chloride and other proprietary accelerators which provide the benefits of set acceleration, high early strength gain, and improved finishability. **NitroCast® HE** enhances the performance of plastic and hardened concrete. **NitroCast® HE** is manufactured under rigid quality control measures to provide uniform, reliable results.

PERFORMANCE BENEFITS

- Accelerates set
- Increases early compressive/ flexural strengths
- Improves finishability
- Improves workability and consolidation

DOSAGE RATES AND DIRECTIONS FOR USE

NitroCast® HE is recommended for use at a dosage rate of 12 to 64 oz/cwt of cementitious material. (782 to 4170 mL/100 kg)

NitroCast® HE 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® HE is compatible with Portland cements, Portland limestone cements, blended cements, class C and F fly ash, slag cements, silica fume, calcium chloride, and fibers. **NitroCast® HE** can be used in all white, colored, and architectural concrete.

PRECAUTIONS/LIMITATIONS

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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