

DNC 100HE

Description

DarNcel 100 High Early is an accelerator anti-freeze, which when mixed with cement, gives off exothermic heat; lowering the freezing point of concrete. *DNC 100HE* is a chloride based solution of calcium and a concentration of nitrates with a powerful wetting agent for increased water reduction and accelerated set times.

Advantages

- Reduces surface bleeding and segregation
- Increases higher early and ultimate strengths; both flexural and compressive
- Earlier use of structural concrete
- Faster form stripping
- Promotes earlier finishing, accelerated set times, and protection of poured concrete
- Lowers water-cement ratio
- Ease of use compared to calcium flake
- Superior finish ability on all flatwork and precast
- Not recommended for use in structural or reinforced concrete

Application

The recommended dosage rate of *DNC 100HE* is 18 oz per 100lbs of cement per 1% accelerator. The exact dosage rate will vary depending on mix design, and other admixtures/materials used. For volumetric admix tank dilution ratios, please contact mixer manufacturer. Contact a DPI representative for further technical assistance and dosage rates.

Compatibility

DNC 100HE is compatible with all types of Portland cement, Class C & F fly ash, silica fume, fibers, and approved water reducing and air entraining admixtures. Contains intentionally added calcium chloride. DPI has chloride free concrete accelerators available if required. Must be dispersed separately, but is compatible with most admixtures.

Specifications

Conforms to ASTM C-494 Type C & E
Conforms to AASHTO M-194 Type C & E

Packaging

Available in 5 gallon pails, 30/55 gallon drums, 275 gallon totes, and is delivered by tanker trucks for bulk purchasers.

Limitations

May freeze below 5 degrees Fahrenheit. If product freezes, use mechanical agitation to reconstitute once thawed. Shelf life: 18 months

Disclaimer

To the best of our knowledge, the information in this publication is reliable. Users should make their own tests to determine the suitability of these products for their own particular purposes. DarCole Products, Inc. makes no warranty of any kind, express or implied, including those of merchantable and fitness for purpose. The responsibility of DarCole Products, Inc. for claims arising out of breach of warranty, negligence, strict liability, or other-wise are limited to the purchase price of the materials.



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