

DCI

Description

DarCole Corrosion Inhibiter is a calcium nitrite liquid corrosion inhibiting, non chloride accelerating admixture for concrete containing steel reinforcement. *DCI* chemically retards the onset of corrosion actions of chlorides on reinforcing steel materials and will increase a structures service years. *DCI* has a minimum nitrite content of 30%.

Advantages

- Provides effective corrosion protection to reinforcing steel in concrete
- Extends service years of reinforced concrete
- Offsets corrosive effects of concrete ingredients that have exceeded normal chloride limits
- Can be used in bridge decks, parking garages, slabs, and other reinforced concrete requiring corrosion resistance
- Increases protection from de-icing salts and other chloride exposure
- Aids to prevent concrete from freezing at higher dosage rates

Application

The recommended dosage range of *DCI* for corrosion inhibiting is 2 to 6 gallons per cubic yard of concrete. The exact dosage will depend on the anticipated chloride loading of the structure and how severe the corrosive environment is. For acceleration the dosage range is 18 oz per 100lbs of cement. 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

DCI 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 no added chlorides or chemicals known to promote corrosion of steel. Must be dispersed separately, but is compatible with most admixtures.

Specifications

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

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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