

DHR 821

Description

DarCole Hydro Reducer 821 is a multi-range water reducing admixture for concrete utilizing superior polycarboxylate technology. *DHR 821* is designed to aid in the placing and finishing of plastic concrete while controlling the hydration process of Portland Cement. Controlling the hydration of the cement maintains plasticity, slump, and temperature which allows more work time for placing and finishing.

Advantages

- Increases bonding, flexural and compressive strengths
- Reduces water content necessary for a given workability by 5-30%
- Reduces bug holes
- Lowers water/cement ratios
- Improves high early and ultimate strengths
- Reduces surface bleeding, shrinkage, and cracking
- Increases durability against freeze/thaw cycles
- Can help mitigate false set

Application

The recommended dosage range of *DHR 821* for mid range is 3 to 5 oz per 100lbs of cement and for high range is 5 to 12 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

DHR 821 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 A, F, & G
Conforms to AASHTO M-194 Type A, F, & G

Packaging

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

Limitations

May freeze below 32 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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