

DHS

Description

DarCole Hydration Stabilizer is a liquid admixture solution designed to control the hydration process of Portland cement. *DHS* coats the hydrating cement particles resulting in the suspension of the hydration chemical reaction. By suspending the hydration, *DHS* maintains the plasticity, slump, temperature, and delays the set time of concrete. Normal hydration continues once the *DarCole Hydration Stabilizer* is chemically consumed.

Advantages

- Concrete will produce normal setting characteristics and improved ultimate compressive strength over conventional concrete
- Can extend the work life while placing concrete
- Can be used for extended haul times without slump loss
- Can help mitigate false setting concrete
- Extends truck discharge window
- Limits peak temperature rise

Application

The recommended dosage range of *DHS* is 1 to 12 oz per 100lbs of cement. The exact dosage rate will depend on the concrete temperature, other admixtures used, specific materials involved, and additional workable time required. *DHS* can also be used for treatment of wash water, or in returned concrete to extend service time. For volumetric admix tank dilution ratios, please contact mixer manufacturer. Contact a DPI representative for further technical assistance and dosage rates.

Compatibility

DarCole Hydration Stabilizer is compatible with all types of Portland cement, Class C & F fly ash, silica fume, fibers, approved air entraining, and water-reducing admixtures. Must be dispersed separately, but is compatible with most admixtures.

Specifications

Conforms to ASTM C494 Types B and D
Conforms to AASHTO M194 Types B and D

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 35 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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