

# DSA 110HS

## Description

*DarCole Synthetic Air 110 High Solid* is a synthetic surfactant derived from fatty acids used as an air entraining concrete admixture. *DSA 110HS* introduces millions of uniformly sized ultra stable air bubbles. These air bubbles act as ball bearings in the mix, greatly improving the plasticity and workability of concrete.

## Advantages

- Far more resistant to freeze/thaw cycles
- More resistance to surface deterioration caused by de-icing chemicals
- Improves workability and plasticity creating a smoother, more even finished surface
- Reduces water content necessary, surface bleed, and segregation, and honeycombing
- Improves durability of hardened concrete

## Application

*\*DSA 110HS* must be diluted 3:1 prior to use\*  
The recommended dosage range of pre diluted *DSA 110HS* is 0.25 to 4 oz per 100lbs of cement, however there is no standard dosage rate for air entrainment. *DSA 110HS* dosage rates will vary depending on the materials used and job requirements. The exact dosage rates 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

*DSA 110HS* 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-260  
Conforms to AASHTO M-154

## 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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