

# DSF 1443

## Description

*DarCole Superflow 1443* is a fast setting high range water reducing admixture for concrete utilizing superior polycarboxylate technology. *DSF 1443* is designed to aid in the placing and finishing of highly flowable concrete. *DSF 1443* can also be utilized as a multi range water reducer based on dosage rate.

## Advantages

- Increases bonding, flexural and compressive strengths
- Reduces water content necessary for a given workability by 12-40%
- Reduces bug holes
- Lowers water/cement ratios
- Improves high early and ultimate strengths
- Reduces bug holes, segregation, surface bleeding, shrinkage, and cracking
- Increases durability against freeze/thaw cycles
- Ideal for use in precast and self consolidating concrete applications
- Addition of viscosity modifying admixture not required for self consolidating concrete
- Can be used as a mid range water reducer at a low dosage rate

## Application

The recommended dosage range of *DSF 1443* for mid range is 1 to 3 oz per 100lbs of cement and for high range is 4 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

*DSF 1443* 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  
Conforms to AASHTO M-194 Type A & F

## 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 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.



1940 US Hwy 41 South  
Sebree, KY 42455

Phone: (270) 826-6499 Toll Free: (800) 327-6565

Fax: (270) 831-2288

Website: [www.darcole.com](http://www.darcole.com)