

SPECIALTY ADMIXTURES

Master Format #: 03 30 00 03 40 00 03 70 00

EUCON™ DS

SET RETARDING/HYDRATION STABILIZING ADMIXTURE



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails

SHELF LIFE

2 years in original, unopened container

SPECIFICATION/COMPLIANCES

ASTM C494 Type B & D

ANSI / NSF STD 61

DESCRIPTION

EUCON DS is a liquid admixture specially formulated to retard concrete for extended periods of time. EUCON DS virtually stops the hydration of cement during hot weather or extended pumping operations. EUCON DS can be used as a set retarding admixture to minimize slump loss and when used in combination with other water reducing or set retardation admixtures, control slumps of 8" to 10" (200 - 250 mm) and retain these slumps for 2 hours or more. EUCON DS contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Environmental hazards reduced because wash out water is used as batch water for the next load of concrete rather than going into settling ponds
- Wash out time is decreased with rapid cleansing action of EUCON DS
- Superior set retardation
- Reduces water requirements
- Retains slump life for 2 hours or more

PRIMARY APPLICATIONS

- Extended retardation
- Concrete requiring extended slump life
- Pumping concrete

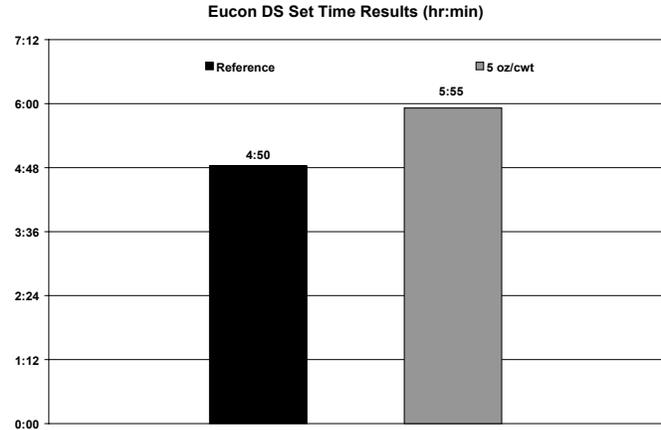
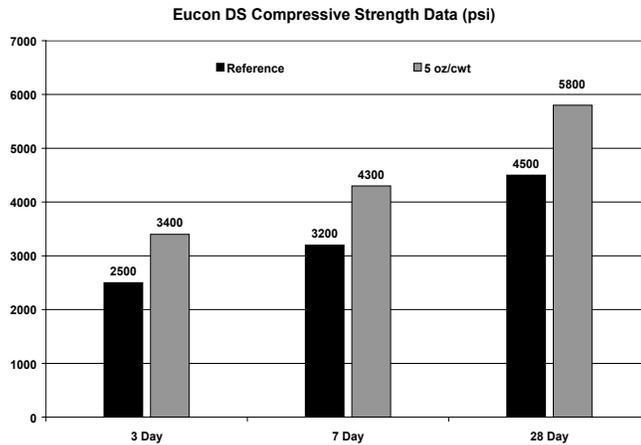
PRECAUTIONS/LIMITATIONS

- Wear protective goggles and gloves when handling EUCON DS
- Add to mix independent of other admixtures.
- Care should be taken to maintain EUCON DS above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Do not agitate with air.
- In all case, consult the Safety Data Sheet before use.

TECHNICAL INFORMATION

PERFORMANCE DATA

The following test results were achieved using typical ASTM C494 mix design requirements, 517 lb/yd³ (307 kg/m³) cement content and similar ($\pm 0.5\%$) air content. These results were obtained under laboratory conditions with materials and mix designs meeting the specifications of ASTM C494. Changes in materials and mix designs can affect the dosage response.



DIRECTIONS FOR USE

EUCON DS should be added to the sand and water. It should not come in contact with dry cement or other admixtures until they are mixed in the concrete batch.

Typical dosage rates for EUCON DS are 1 - 16 oz/100 lbs (65 to 1000 ml per 100 kg) of cementitious material. Higher and lower dosages are acceptable depending on the level of retardation required and the ambient temperature conditions that the concrete is being place. Trial batches are recommended to document performance with local materials.

*Note: The ambient temperature conditions of a concrete mix will have a strong influence on how the Eucon DS performs, in cooler conditions lower dosages are required to have the same affect that is experienced at warmer ambient conditions. Please refer to Euclid Technical Bulletin ECTB 10-1, Set Retarding Admixtures, for further information and guidelines on this topic.

Rev. 04.21

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