

MID RANGE WATER REDUCERS

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

EUCON™ MR

MID RANGE WATER REDUCING 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

1 year in original, unopened container

SPECIFICATIONS/COMPLIANCES

ASTM C494, Type A & F
AASHTO M 194
ANSI/NSF STD 61

DESCRIPTION

EUCON MR is a mid range water reducing and plasticizing admixture for concrete. EUCON MR shows improved finishing characteristics when compared to other commonly used Type A (typically 5-6% water reduction) or Type F (typically 12-15% water reduction) admixtures. This mid range approach to water reducing admixtures allows for a wide range of usable dosage rates for a broad application spectrum. EUCON MR contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Improves workability/finishability
- Produces concrete with lower water/cement ratio for increased strength
- Increased durability and less cracking
- Lower water/cement ratio allows for lower cement content, saving the producer money

PRIMARY APPLICATIONS

- Flatwork concrete
- Architectural concrete
- General purpose ready mixed concrete
- Concrete containing fly ash and other pozzolans

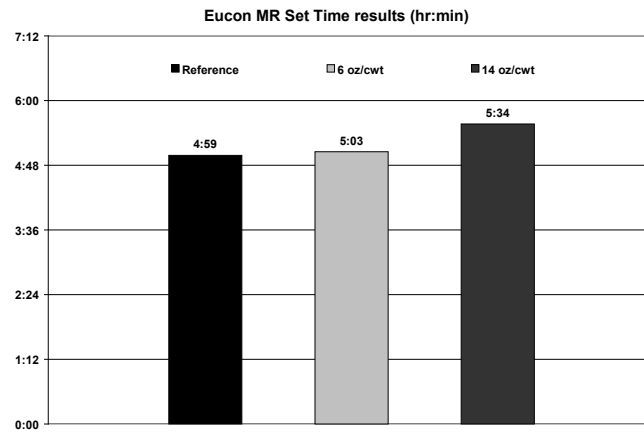
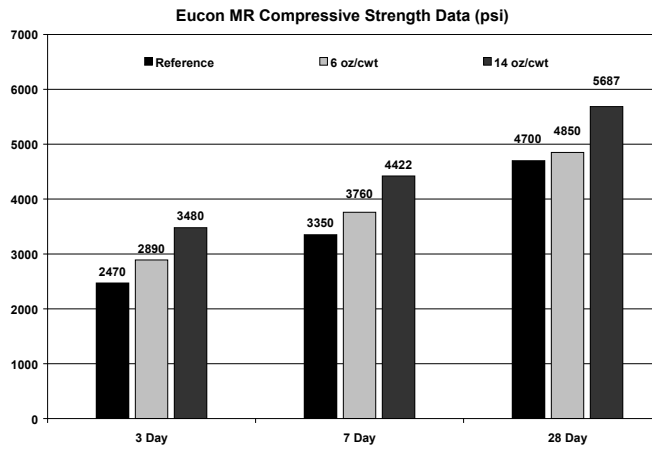
PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain EUCON MR above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air or an air lance.
- Add to mix independent of other admixtures.
- In all cases, 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 (± 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 MR is typically used at dosages of 4-15 oz/100lbs (260 - 980 mL/100 kg) of cementitious material. EUCON MR can provide excellent performance and standard water reduction for most applications at dosage rates of 4-10 oz/100lbs (260-650 mL/100 kg) of cementitious material.

Dosage recommendations depend on the characteristics of the materials being used in the mix design. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials used.

EUCON MR should be added to the initial batch water when possible. It should not come in contact with dry cement or other admixtures until they are mixed with the concrete batch. Field testing is strongly recommended to optimize dosage range and performance expectations with local materials. EUCON MR is compatible with Euclid Chemical admixtures.

Rev. 03.21

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.