



EUCON MRC

MID-RANGE WATER REDUCING ADMIXTURE ASTM C 494 TYPE A

EUCLID CHEMICAL

DESCRIPTION

EUCON MRC is a liquid plasticizer based mid-range water reducer for concrete. EUCON MRC shows improved finishing and setting characteristics when compared to other commonly used Type A and F water reducing admixtures. EUCON MRC contains interactive plasticizers that make it unique. It is formulated for a wide range of applications, without the inconvenience often associated with other types of water reducers. EUCON MRC contains chloride ions which could limit the range of applications (see precautions/limitations).

FEATURES & BENEFITS

- Provides up to 15% water reduction
- Improves flowability of the concrete while maintaining good setting characteristics
- Facilitates all finishing operations
- Helps promote early strength of concrete including those made with fly ash, silica fume or slag
- Designed to produce high slump residential concrete, allowing ease of placement and good consolidation
- Generally increases compressive strength by 10% to 60%, depending on the age of the concrete
- Particularly appreciated by floor finishers and forming contractors
- Particularly useful in concrete containing synthetic fibers. It will prevent water addition due to the loss of workability often associated with the use of fibers
- Produces a “non sticky” concrete
- Facilitates the application of dry shake hardener such as SURFLEX by reducing surface drying of the concrete

DOSAGE RATES

Dosage can vary from 300 to 1000 mL/100 kg of cementitious material. More specifically: for concrete floors, use between 300 to 400 mL/100kg of cementitious material. For concrete footings or walls, use between 600 to 1000 mL/100 kg of cementitious material.

TECHNICAL INFORMATION

Specific gravity @75°F(25°C) 1.266

% of solids by weight..... 43.5

pH 5.75

Chlorides content at 0.119 g/mL. At a dosage rate of 400 mL/100 kg of cementitious material, this represents 0.05% by weight of cementitious material.

PACKAGING

EUCON MRC is 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

EUCON MRC meets or exceeds the requirements of:

- ASTM C 494, Type A

DIRECTIONS FOR USE

EUCON MRC should ideally be introduced in the mix a few seconds after cementitious-water contact. This will maximize the workability gain and ensure better cementitious material particle dispersion. It should not be in direct contact with dry cement. Always add independently of other admixtures.

PRECAUTIONS / LIMITATIONS

- EUCON MRC should not be in direct contact with dry cement.
- Always add independently of other admixtures.
- EUCON MRC contains chlorides that limit its range of applications.
- Do not use in prestressed concrete. When chlorides levels are specified, make sure that these limits are not exceeded. Contact your EUCLID representative for details.
- Where the use of chlorides is prohibited, we recommend the use of EUCON MR.
- In all cases, consult the Safety Data Sheet before use.

Rev. 11.14

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.