



# EUCON MR

## MID RANGE WATER REDUCING ADMIXTURE

### 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.

### PRIMARY APPLICATIONS

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

### FEATURES/BENEFITS

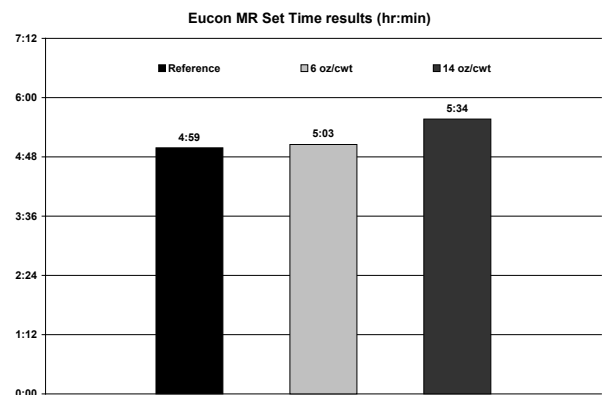
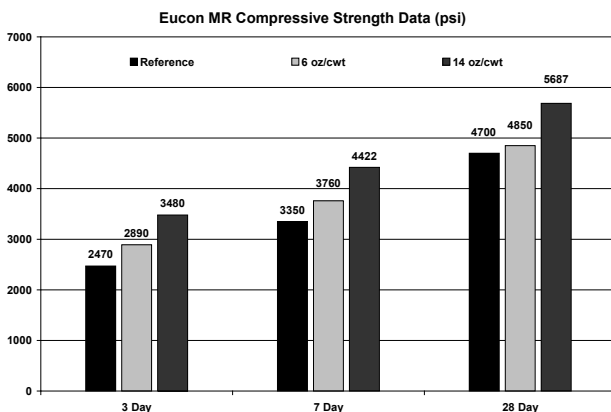
- Produces concrete with lower water / cement ratio allowing for increased strength
- Increased concrete strength lowers the potential for cracks
- Lower water / cement ratio allows for lower cement content, saving the producer money
- Increases concrete workability allowing for easier concrete placement
- Produces concrete that is easier to finish which lowers labor costs

### TECHNICAL INFORMATION

#### Performance Data

The following test results were achieved using typical ASTM C 494 mix design requirements, 517 lb/yd<sup>3</sup> (307 kg/m<sup>3</sup>) cement content and similar ( $\pm 0.5$ )% air content.

These results were obtained under laboratory conditions with materials and mix designs meeting specifications of ASTM C 494. Changes in materials and mix designs can affect the dosage response of EUCON MR.



## PACKAGING

EUCON MR 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 MR meets or exceeds the requirements of:

- ASTM C 494, Type A and Type F
- AASHTO M 194
- ANSI/NSF STD 61

## DIRECTIONS FOR USE

EUCON MR is typically used at dosages of 4 to 15 oz per 100 lbs (260 to 980 mL per 100 kg) of cementitious material. EUCON MR can provide excellent performance and standard water reduction for most applications at dosage rates of 4 to 10 oz per 100 lbs (260 to mL per 650 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.

## 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. Never agitate with air or an air lance.
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.

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