

EUCON MRX

MID-RANGE WATER-REDUCING ADMIXTURE

Euclid
Concrete
Admixtures



DESCRIPTION

EUCON MRX is a specially formulated mid-range water-reducing and plasticizing admixture formulated using advanced dispersant technologies, specifically engineered for a wide-range of dosage rates without causing excessive retardation. Eucon MRX shows improved finishing characteristics when compared to other commonly used Type A and Type F water reducing admixtures. Eucon MRX can be used to reduce the total cement content and used in combination with supplementary cementitious materials (SCMs). Eucon MRX does not contain added chlorides or chemicals known to promote the corrosion of steel.

PRIMARY APPLICATIONS

- Flatwork concrete
- Architectural concrete
- General purpose ready-mix concrete
- Concrete containing fly ash and other pozzolans
- Hot weather concreting

FEATURES/BENEFITS

- Produces concrete with lower water to cement ratio allowing for increased strength
- Increased concrete strength lowers the potential for cracks
- Neutral effects on setting-times over a wide dosage range
- Improved workability aids in concrete placement and reduces labor cost
- Lower W/C allows for lower cement content/ ability to use SCMs, saving the producer money

TECHNICAL INFORMATION

Typical Engineering Data

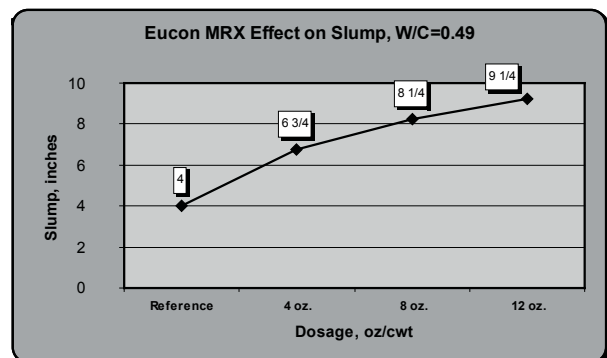
The following results were developed under laboratory conditions:
Mix Design

Cement T-I/II
600 lbs/yd³ (272 kg/m³)

Stone
1800 lbs/yd³ (1067 kg/m³)

Sand
1414 lbs/yd³ (839 kg/m³)

W/C
0.49



PACKAGING

Eucon MRX is available in bulk, 275 gal (1041L) totes, 55 gal (208 L) drums, and 5 gal (18.9 L) pails.

SHELF LIFE

1 year in original, unopened container.

EUCON MRX
Mid-Range Water-Reducing Admixture

Master Format #: 03 3000

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An **RPM** Company



SPECIFICATIONS/COMPLIANCES

Eucon MRX admixture currently meets the provisional requirements of ASTM C494/C494M and AASHTO M-194 as Type A & F admixtures.

DIRECTIONS FOR USE

Eucon MRX can be added to the initial batch water or directly on the freshly batched concrete and mixed for approximately 5 minutes or 70 revolutions. However, better results have been observed batching directly on the freshly batched concrete. It should not come into contact with dry cement or other admixtures until mixed thoroughly with the concrete batch. Eucon MRX is dispensed with automatic equipment, thus insuring uniformity of admixture use throughout the project.

Dosage Rates: The recommended dosage rate for Eucon MRX is 3-12 oz/100lbs (195 to 782 mL/100 kg) of total cementitious materials.

ASTM C 494 Type A: Eucon MRX will typically achieve ASTM C494 Type A performance at 3-5 fl oz (196 to 325 mL/100 kg) per 100 lbs of cementitious.

Mid-Range performance: Eucon MRX is usually used at the rate of 5 to 7 fl oz (326 to 522 mL/100 kg) per 100 lbs of cementitious.

ASTM C 494 Type F: Eucon MRX can be typically used at a rate of 7 to 12 fl oz (522 to 782 mL/100 kg) per 100 lbs of cement for high-range admixture performance.

Admixture Compatibility: Eucon MRX is compatible with most admixtures including air-entraining agents, accelerators, most water-reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, and microsilica; however, each material should be added to the concrete separately. Please contact a Euclid Sales Professional for any compatibility issues.

PRECAUTIONS / LIMITATIONS

- Care should be taken to maintain Eucon MRX above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Do not agitate with air.
- Add to concrete mix independent of other admixtures.
- In all cases, consult the Material Safety Data Sheet before use.

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