EUCON AIR MAC12
AIR ENTRAINING AGENT FOR CONCRETE

DESCRIPTION

EUCON AIR MAC12 is formulated for use as an air entraining admixture for concrete of all types and is manufactured under rigid control which assures uniform and precise performance. EUCON AIR MAC12 adds microscopic air bubbles in concrete and is acceptable to use in all types of concrete, including mixtures that have been traditionally difficult to entrain air. EUCON AIR MAC12 contains no added chlorides or chemicals known to promote the corrosion of steel.

PRIMARY APPLICATIONS

• Ready mix concrete
• Structural concrete
• Mass concrete
• Paving concrete
• All exterior concrete subjected to freeze/thaw cycles

FEATURES/BENEFITS

• Provides a stable air void system with proper bubble size and spacing.
• Improved air void system protects concrete against damage caused by repetitive freeze/thaw cycles.
• Concrete is made more resistant to de-icing salts, sulfate attack and corrosive water.
• Reduces bleeding and segregation of concrete.
• Less mixing water can be used per yard (meter) of concrete with improved placeability.

TECHNICAL INFORMATION

Typical Engineering Data
Specific Gravity................................. 1.01
% of solids by weight......................... 15.0
pH................................................. 11.0

EUCON AIR MAC12 is an aqueous solution compound of synthetic chemicals. It is compatible with the full range of Euclid admixtures and concrete mixes containing accelerators, water reducing admixtures, retarding admixtures and high range water reducers.

PACKAGING

EUCON AIR MAC12 is 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 package.

SPECIFICATIONS/COMPLIANCES

EUCON AIR MAC12 meets or exceeds the requirements of the following specifications:
• ASTM Specification C 260
• AASHTO Specification M 154
• ANSI/NSF STD 61
**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.

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**DIRECTIONS FOR USE**

EUCON AIR MAC12 typically is dosed at a rate of 0.1 to 4.0 oz per 100 lbs (6 to 260 mL per 100 kg) of total cementitious material. The amount of EUCON AIR MAC12, to achieve a desired air content, will vary depending on type of cement, fineness of sand, ambient air and concrete temperature, design of the mix, other admixtures, type of mixing equipment, etc. Concrete mixes must be tested regularly to confirm that proper air content is achieved. EUCON AIR MAC12 should be added with the initial batch water or directly to the sand to achieve maximum efficiency.

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**PRECAUTIONS/LIMITATIONS**

- Consult your local Euclid Chemical representative for proper dosage rate adjustments when using fly ash, slag or high range water reducers.
- Add to the mix independent of other admixtures.
- Protect EUCON AIR MAC12 from freezing.
- Do not agitate using air or an air lance.
- Excessive air entrainment will lower flexural and compressive strengths so frequent testing is recommended.
- In all cases, consult the Safety Data Sheet before use.