



EUCLID CHEMICAL

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 does not contain added chlorides and will not promote the corrosion of steel.

PRIMARY APPLICATIONS

- Ready mix concrete
- Structural concrete
- Mass concrete
- Paving concrete
- All exterior concrete subjected to freeze/thaw cycling

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 calcium chloride, water reducing admixtures, retarding admixtures, or 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

DIRECTIONS FOR USE

EUCON AIR MAC12 can be 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.

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.

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