



THE EUCLID CHEMICAL COMPANY

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EUCON AIR 40

AIR ENTRAINING AGENT FOR CONCRETE



EUCON AIR 40 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 40** adds microscopic air bubbles in concrete and works especially well with high carbon fly ash. **EUCON AIR 40** 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 which will increase durability.
- Concrete is made more resistant to de-icing salts, sulfate attack and corrosive water
- Less mixing water can be used per yard (meter) of concrete and placeability is improved
- Minimizes bleeding and segregation of the concrete

SPECIFICATIONS/COMPLIANCES

EUCON AIR 40 meets or exceeds the requirements of the following specifications:

- Corps of Engineers Specification CRD-C-13
- ASTM Specification C-260
- AASHTO Specification M-154

PACKAGING

EUCON AIR 40 is packaged in bulk, 275 gal (1041 liter) totes, 55 gal (208 liter) drums and 5 gal (18.9 liter) pails.

Shelf Life: 2 years in original, unopened package.

TECHNICAL INFORMATION

EUCON AIR 40 is an aqueous solution compound of synthetic organic chemicals. It is compatible with concrete mixes containing calcium chloride, water reducing admixtures, retarding admixtures, or high range water reducers.

Appearance

EUCON AIR 40 is an amber colored material which, when added to concrete does not change the concrete's natural appearance.

DIRECTIONS FOR USE

Dosages of 1/2 to 1 oz/100 lb of cement (30-60 ml of/100 kg) will generally entrain 3% - 6% air in concrete. This amount will vary depending on type of cement, fineness of sand, temperature, design of the mix, carbon content of fly ash, etc. Add **EUCON AIR 40** directly to the sand to achieve the maximum performance. It is safe to use higher than recommended dosages to meet desired air content. Concrete mixes must be tested periodically to confirm that the proper air content is achieved.

PRECAUTIONS/LIMITATIONS

- Consult your local Euclid Chemical representative for the proper dosage rate adjustments when using fly ash, slag or high range water reducers.
- Add to the mix independent of other admixtures.
- Excessive air entrainment will lower flexural and compressive strengths so frequent testing is recommended.



EUCON AIR 40-3.04

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