

AIR ENTRAINERS

Master Format #: 03 30 00 03 40 00 03 70 00

AIREX-L™

AIR ENTRAINING AGENT FOR CONCRETE



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Available in bulk as well as in containers of 1000, 205 or 20 liters.

SHELF LIFE

2 years in original, unopened container

SPECIFICATIONS/COMPLIANCES

ASTM C260

Approved by the Quebec and Ontario Ministry of Transportation

DESCRIPTION

AIREX-L is a liquid solution of hydrocarbons used as an air entraining agent for concrete and complies with ASTM C260. When AIREX-L is added to the concrete mix, it produces a system of microscopic air bubbles that remains very stable in the concrete. The entrainment of air with AIREX-L improves ease of placement, workability and durability of the concrete while minimizing bleeding and segregation. AIREX-L contains no added chlorides or chemicals known to promote the corrosion of steel and is compatible with the full range of Euclid Chemical admixtures.

PRODUCT CHARACTERISTICS

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 resistant to de-icing salts, sulfate attack and corrosive water
- Less mixing water can be used per yard (meter) of concrete
- Improved placeability
- Improved workability
- Minimizes bleeding and segregation of the concrete
- Specifically designed to improve air entrainment of low / no slump concrete mixtures

PRIMARY APPLICATIONS

- Ready mix concrete
- Structural concrete
- Paving concrete
- Exterior concrete

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain AIREX-L above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air or an air lance.
- Consult your local Euclid Chemical representative for the proper dosage rate adjustments when using fly ash, slag or high range water reducers.
- AIREX-L is not W.H.M.I.S. regulated.
- Add independently from other admixtures. In all cases, consult the Safety Data Sheet before use.

DIRECTIONS FOR USE

For normal slump concrete use a minimum of 15 mL/100kg of cementitious material.

For dry concrete (0 - 50 mm slump), use a minimum of 100 mL/100kg of cementitious material.

For roller compacted concrete (RCC), use 300 to 500 mL/100kg of cementitious material.

AIREX-L should be added to the initial batch water of the concrete mixture. Do not dispense onto dry cement. Because of variations in job conditions and concrete materials, dosages other than the recommended amounts may be required. In such cases, contact your local Euclid sales representative.

The quantity of AIREX-L required to obtain the specified air content can be influenced by the following factors:

- Concrete / ambient temperature
- Cement type
- Mineral additives
- Quality of aggregate
- Sand gradation
- Slump of concrete
- Mixing equipment

Rev. 03.21

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