

## AIR ENTRAINING CONCRETE ADMIXTURE

### DESCRIPTION

**Conair** is a liquid air entraining agent for use in concrete and mortar mixes. It is used to improve the workability, cohesion, and durability of concrete and mortar by the entrainment of minute air bubbles of controlled size and spacing, uniformly distributed throughout the mix. **Conair** complies with ASTM C260-81 for air entraining admixtures. It provides freeze thaw protection in cold climates.

### USES & ADVANTAGES

**Conair** is used to produce workable and durable concrete for dams and reservoirs, tunnels, mass concrete structures, roads, runways, taxiways etc.

#### Advantages include:-

- Improves permeability
- Improves workability.
- Improves durability.
- Cohesion of mixes is improved and bleeding reduced.
- Volume yield of concrete or mortar is increased.
- Harsh mixes are improved.
- Easy to use.
- Ready to use.
- Freeze thaw protection.

### PROPERTIES

|                          |  |
|--------------------------|--|
| <b>Appearance:</b>       | Light brown liquid                             |
| <b>Specific Gravity:</b> | Approx. 1.0 kg/l                               |
| <b>Shelf Life:</b>       | 1 year when unopened                           |
| <b>Storage:</b>          | Free from frost in shade.<br>Reseal after use. |
| <b>pH Value:</b>         | 8-10   |

### DISPENSING / APPLICATION

**Conair** is added directly to the mixing water prior to its addition to the aggregates. **Conair** can be used with other admixtures providing these are added separately to the mix. Do not pre-mix.

### IMPORTANT NOTES

Overdosing will result in a high air content with resulting reductions in strength. To ensure consistent results air contents should be regularly monitored particularly if other materials are subject to variation.

### DOSAGE

The dosage of **Conair** normally is in the range of 0.03 - 0.20% by weight of cement, however, there is no standard

dosage. The dosage level is not predictable because of varying materials and concrete mix designs.

Factors influencing air entrainment are: cement quality, sand grading, sand to aggregate ratio, slump, temperatures, cement replacements or pozzolanic materials such as PFA, GGBFS or silica fume.

Trial mixes may be started at 0.1% by weight of cement and the dosage adjusted depending on the results obtained under actual job conditions.

Mixes containing other plasticisers/retarders may require less air entrainer than plain mixes. Vary the dosage until the desired effect is achieved.

### PACKAGING

25 litre plastic pails and 200 litre drums.

### STORAGE & SHELF LIFE

Shelf life up to 9 months if stored in original unopened package in shaded conditions.

### HEALTH & SAFETY

As with all chemical products care should be taken during use and storage to avoid contact with skin eyes and mouth. If accidentally ingested immediately seek prompt medical attention, do not induce vomiting and give copious amounts of water to drink.

### TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

### QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

### CONTACT DETAILS

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