

# FIBCON (AM-100)

## Air Entraining Agent for Concrete

### DESCRIPTION

Fibcon (AM-100) is an aqueous solution of modified resins used for proper air control under a wide range of temperatures. Air Mix 200 is specification 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. It should be added to the mix independently and not with other admixtures.

### AREAS OF APPLICATION

- Ready mixed concrete
- Structural concrete in marine area
- Mass concrete construction like raft.
- Concrete in water remaining structures like dam reservoir etc
- Exterior concrete work exposed to freeze/thaw conditions.
- Concrete in underground water tanks.

### FEATURES & BENEFITS

- Provides a stable air void system with proper bubble size and spacing. This air void system protects concrete against damage caused by repeated freeze/thaw cycles.
- Reduced water without loss of workability.
- Improved resistance to de-icing salts, sulfate attack and corrosive water.
- Reduced permeability improved water tightness.
- Reduced bleeding and segregation.
- Improved plasticity and workability.

### SPECIFICATIONS & COMPLIANCES

Fibcon (AM-100) meets or exceeds the requirements of the following specifications.

- ASTM C-260
- ASSHTO M-154
- IS-9103-1979

### TECHNICAL SPECIFICATIONS

Physical Appearance	: Brown liquid
Specific Gravity	: 1.03 - 1.04
pH Value	: 7 - 8
Chloride Content	: Nil

### APPLICATION METHODOLOGY

100 to 300 ml of Air Mix 200 per bag of cement 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, etc.

### PRECAUTIONS

- Consult your local STP representative for the proper dosage rate adjustments when using fly ash, slag or high range water reducers.
- If material has frozen, warm material to (21oC) and agitate for 6-8 hours.



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- Add to mix independent of other admixtures.
- There will be small loss in air content during pumping.
- Add air entraining admixture with dosing water, preferably with dispenser.
- Thorough curing of concrete is advised using either curing compound or traditional methods like sprinkling of water or wet hessian bag.
- Avoid excessive vibration of air entrained concrete. It will almost be a self compacting concrete.

## COMPATIBILITY

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It is compatible with all types of Portland cement including SRC (Sulphate Resistance Cement).

## STORAGE

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Store in cool dry place for a shelf life of 12 months.

## HEALTH & SAFETY

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Air Mix 200 will not affect toxicity on skin. If material splashes in the eyes, wash it with water and call on a doctor immediately.

## PACKAGING

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5 Litre, 20 Litre or 200 Litre drums.

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