

## ChemAir

### Air Entraining Admixture

**Description:-** It is a unique, synthetically manufactured surfactant for the air entrainment inside the concrete. Air-entraining admixture gives concrete extra protection by creating ultra-stable air bubbles that are strong, small and closely spaced a characteristic especially useful in the types of concrete known for their difficulty to entrain and maintain the desired air content. Excellent protection against freezing and thawing cycles and scaling from de-icing salts.

### Characteristic Parameters

It's confirms IS: 9103:1999, ASTM C 260, AASHTO M 154 and CRD-C13.

Test Parameters	Specifications
Aspect	Clear to Light Yellow Liquid
Specific Gravity at 27°C	1.00 ± 0.02
Ph at 27° C	7 - 8
Chloride Content %	Nil

### Features/Advantages

- ❖ Protection against damage from freeze/thaw cycles and scaling from de-icing salts.
- ❖ Reduced permeability - increased water-tightness.
- ❖ Reduced segregation and bleeding.
- ❖ Improved plasticity and workability.
- ❖ Greatly improved stability of air entrainment.
- ❖ Improved air-void system in hardened concrete.

### Applications

- ❖ Concrete exposed to freeze/thaw attack.
- ❖ To reduce bleeding, due to poor aggregate grading.
- ❖ Gives a stable air void system with proper bubble size and spacing.
- ❖ Increase concrete durability.

### Application Methodology

- ❖ Add ChemAir to the dosing water. It should not come into contact with dry cement, Aggregate, Sand etc.
- ❖ Firstly Charge all concrete material into the mixer and mix for 1 minutes. Then add about 70 % water in Concrete and mix for 3 minutes.
- ❖ Add remaining water with admixture and mix for 3 additional minutes to obtain the required slump & Properties.

**Dosage:-** Recommended dosages 0.2 -0.6 % by weight of cement/binder material.

### Health & Safety

- ❖ Before handling wear suitable protective clothing, gloves, Nose mask, Helmet and Goggles.
- ❖ Avoid contact with skin /eyes, and avoid swallowing.
- ❖ Ensure adequate ventilation and avoid inhalation of vapor.
- ❖ If material contacted to skin, eye rinse with plenty of clean water, then cleanse with soap and water. If swallowed, seek medical attention immediately.

**Packing:** - 200 Liter.

**Shelf-Life and Storage Condition:** - Shelf life is 12 month from the date of manufacturing when stored properly in undamaged and unopened original sealed drum. Keep in dry and cool Place & temperature should be +10°C to + 30°C.

### **Our Other Products Ranges Are:-**

- Concrete Admixtures
- Sealants & Primer
- Industrial Floorings
- Concrete Repair Products
- Mould Release Agents
- Adhesive for Tiles, Marbles and Stones
- Concrete Curing Compounds
- Waterproofing Chemicals
- Industrial Grouts
- Concrete Hardeners
- Concrete Bonding Agents
- Joint Filler Grouts for Tiles, Marbles and Stones

Offshore

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### **OFFSHORE CHEMOX**

(AN ISO 9001: 2015 Certified Company)  
Plot. No.1032/135 BPCL Petrol Pump  
Campus, Gorewada Road, Gittikhadan  
Square, Nagpur- 440013 (Maharashtra)  
Phone:-07304444499, 8412843399  
Email: [info.offshorechemox@gmail.com](mailto:info.offshorechemox@gmail.com)  
Web: [www.offshorechemox.com](http://www.offshorechemox.com)



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