



CLASSIC AIRENT

Air Entraining Plasticizer

Product:

Classic Airent is a brown liquid based on a blend of processed sulphonate and surfactant.

Description:

Concrete is susceptible to spalling and crazing due to the action of frost. This is caused when water which is absorbed in the concrete expands on freezing thereby developing internal pressure in the concrete leading to disruption of its structure. The intrusion into concrete of a limited amount of entrained air, evenly dispersed throughout the mass in the form of minute bubbles, imparts a high degree of resistance of frost action.

The effectiveness of entrained air in producing durable concrete has been recognised for some years, in particular for roads and runways. Air entrainment usually results in slight strength losses but **Classic Airent**, being a combined air entraining agent and plasticizer, provides the requisite amount of air without loss in strength or increases in cement content, being due to a concomitant water reduction.

Purpose & Uses:

- Any Concrete where air entrainment is needed without loss in strength.
- Any Concrete where air entrainment is needed and better surface finish required.
- Any Concrete where air entrainment is needed together with water reduction.
- Any Concrete where inadequately graded aggregates are used.

Dosage:

As a Normal Dosage 0.10 to 0.16 litre of *classic Airent* to 50 Kg of cement is recommended.

Packing:

Available in 5, 20, 50,100 Litre Containers.

Typical Properties:

Appearance: Brown Liquid

Compositions: Blend of Processed

Lignosulphonates and Surface-active agent.

Sp. Gravity: 1.178 +/- 0.015

Chloride Content: NIL

Where to Use:

Classic Airent is ideal for use in Pavement quality Concrete. Concrete requiring air entrainment and plasticizing benefits Durable Concrete with good finish. Concrete normally prone to segregation and bleeding.

Air Void Characteristics:

The air void Characteristics of hardened concrete were analysed in accordance with ASTM C45782.

Classic Airent	140ML/50Kg
Spacing Factor (/mm)	0.179
Spacing Factor Standard (/mm)	< 0.20
Specific Surface (/mm ² /mm ³)	25.00
Specific Surface Standard (/mm ² /mm ³)	> 23.6

The Spacing factor and specific surface of the entrained air are those necessary to provide resistance to freeze the activity.

Storage Life:

Minimum one year of stored below 50°C in original sealed containers. If allowed to stand for a long time, contents should be stirred before use.

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Handling Precautions:

Classic Airent is slightly toxic. Do not ingest. It is mildly acidic. Prolonged contact with the skin should be avoided, and any splashes to the eyes should be washed with clean water immediately and medical advice sought.

Variety of Products:

Following are other similar products from Primadonn Buildtech Pvt. Ltd.

- Classic Airent-3
- Classic Crete-AXL (CB)
- Classic Crete-AXL (CF)
- Classic Crete-RMW (Powder)
- Classic Crete-RMW
- Classic Crete RPL
- Classic Mortar Plasticizer
- Classic Plasto-Master
- Classic Poly-Propylene Fibres
- Classic Superflo-PC
- Classic Superflo-N
- Classic Superflo-SP
- Classic Superflo Special



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