



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, absorbed in the concrete, expands on freezing thereby developing internal pressures in the concrete leading to disruption of its structure. The introduction 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 to frost action.

The effectiveness of entrained air in producing durable concrete has been recognized 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 increase in cement content, being due to a concomitant water reduction.

PURPOSE & USES

- Any concrete where air entertainment 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

Normal dosage 0.10 – 0.16 liters of *Classic Airent* to 50 Kg of Cement.

PACKING

5, 20, 50, 100 Liter 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.

Dosage <i>Classic Airent</i>	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 thaw activity.

STORAGE LIFE

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

HANDLING PRECAUTION

Classic Airent is slightly toxic. Do not ingest. Should ingestion occur an emetic of common salt and water should be given and medical advice sought. 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.



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