

CHEMCRETE E110

Chemcrete E110 is an air-entraining agent based on neutralized Vinsol Resin and synthetic surfactants. The use of Chemcrete E110 promotes the entrainment of small bubble shaped air pores evenly distributed throughout the concrete. The bubbles are disconnected and of even size and shape. Chemcrete E110 is ideally suited for use in structures involving large volumes of easily placed concrete, such as dams, runways, roads, tunnels and wherever protection from the effects of freeze/thaw cycles and de-icing salts is required.

IMPROVED HANDLING OF LEAN/HARSH MIXES
SEGREGATION AND BLEEDING REDUCED
IMPROVED FREEZE-THAW RESISTANCE
IDEAL FOR PAVEMENTS
BS EN 934-2: T5

TECHNICAL INFORMATION

FORM: Liquid

COLOUR: Brown

S.G.: ~1.04

pH: ~11.0

CHLORIDE CONTENT: < 0.1% w/w

Na₂O EQUIVALENT: ~0.56% w/w

FREEZING POINT: 0°C

DOSAGE: Typically 80ml per 100kg cement.

DIRECTIONS FOR USE:

DOSAGE

Typically 0.08% addition by cement gives 3%-6% air. Trial mixes should be carried out to determine the optimum dosage rate. Checks on the entrained air content should be made daily with a pressure type air meter and the dosage adjusted to keep the air content within the required limits. For advice, contact Larsen Technical Department.

DISPENSING

Chemcrete E110 should be dispensed into the mixer with the gauging water. It should never be added to the dry cement.

COMPATIBILITY

Chemcrete E110 can be used with all types of Portland Cements. Some cements or pozzolanic materials may require increased dosages. It is also compatible with other admixtures. When used in conjunction with other admixtures, each must be dispensed separately into the concrete mix.

OVERDOSAGE

Severe overdosage can cause extensive air entrainment and a resultant loss in strength.

STORAGE

This product must be stored in closed containers protected from extremes of temperature. If the product has frozen, thaw at temperatures above +4°C and reconstitute by mechanical agitation only.

SHELF LIFE

12 months in unopened manufacturer's containers.

PACKAGING

Chemcrete E110 is supplied in 25L, 200L and bulk if required.