



UCOPLAST-AIREX

CA-117

Air Entraining Admixture / Water Reducer

Product

UCOPLAST-AIREX is an air entraining admixture / water reducer complying to IS- 9103, BS- 5075 Part -2

Composition

UCOPLAST-AIREX is brown liquid based on blend of ligno and surfactant.

Description

UCOPLAST-AIREX is designed to produce air - entrainment in concrete mixes. Whenever as well compacted, durable concrete with resistance to frost action and effects of deicing salt is required. UCOPLAST-AIREX improves workability and reduces tendency to bleeding. It also reduces density of lightweight blocks, without impairing strength.

UCOPLAST-AIREX gives increased durability to dense concrete blocks and because of entrained air, a reduction in material cost is achieved.

UCOPLAST-AIREX reacts physically to produces stable minute air bubbles that are distributed uniformly throughout the concrete. By incorporating UCOPLAST-AIREX the improvements in workability and cohesion are achieved. Which enables reduction to be made both in the sand cement and in water cement ratio. Unaffected setting time even when overdosed.

Technical Data

Form Liquid
Colour Brown
pH 7.5
Cl- Content Nil

Advantages

- Controllable rate of addition.
- Air entrainment without loss in strength.
- Improves cohesion and workability.
- Enables water reduction.
- Gives good freeze / thaw resistance.
- Chloride - free.
- Reduces permeability.
- Reduces segregation and bleeding.

Purpose

UCOPLAST-AIREX Produces controlled air entrainment in concrete mixes.

Where to Use

Mass concreting works of dams, marine environments and concrete in subjected to ground water salts.

UCOPLAST-AIREX is use to produce workable and durable concrete for roads, runways, taxiways, power stations and underground water tanks.

Method of Use

UCOPLAST-AIREX should be added preferably through a calibrated dispensing unit and added to the mix with the gauging water to ensure correct mixing.

The dosage rate of 100-250 ml of UCOPLAST-AIREX / 50 KG cement will normally produce an air entrainment of 4% - 5%.

The dosage rate of UCOPLAST-AIREX will vary depending upon the particular materials and mix design being used.

Dosage

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Optimum dosage should be determined by site trials.

Packing

10, 50,100, 210 Liter drums of bulk delivery

Storage

- UCOPLAST-AIREX has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

Handling Precaution

- UCOPLAST-AIREX is an industrial chemical; required handling precautions should be followed.
- UCOPLAST-AIREX is non-flammable and doesn't contain any flammable ingredient.
- UCOPLAST-AIREX is non-hazardous, however inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

Important Note:

All products should be used in accordance with manufacturer's instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

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