EUCON HC 110
Water Reducing/Set Retarding Admixture

EUCLID CHEMICAL

Description

Eucon HC 110 is a water reducing and retarding admixture for concrete. This versatile admixture consists of a modified carboxylate polymer which produces high quality concrete economically. Eucon HC 110 shows improved finishing characteristics and provides homogeneous concrete.

Primary Applications

- Used for all cement types.
- Concrete made with SCM
- Architectural concrete
- General purpose ready mix concrete.
- Hot weather concreting
- Mass concrete / Flowable concrete

Features/Benefits

Plastic Concrete

- Improves finishability
- Improves workability
- Reduces water requirement

Hardened Concrete

- Increases compressive strength
- Reduces permeability
- Improves finished appearance
- Reduces shrinkage
- Increases durability

Technical Information

Physical state	:	Straw yellow to brown liquid
Base material	:	Polycarboxylate
Specific Gravity	:	1.06 ± 0.02 at 27°C
Air entrainment	:	≤ 1.5% over control mix
pH	:	Minimum. 6.0
Chloride Content	:	< 0.2%

Compatible with all cement types like OPC, OPC + Fly ash, PPC etc.,

Packaging

EUCON HC 110 is packaged in 220 kg HDPE Drums.

Shelf Life

1 year in original, unopened package.

Specifications/Compliances

EUCON HC 110 meets or exceeds the requirements of:

- IS 9103/2007
- ASTM C 494, Type G
- AASHTO M 194

Directions for Use

Normal dosage range is 200ml – 700ml / 50 kg of cement. However the optimum dosage is determined by site trials. EUCON HC 110 should be added to the initial batch water of the concrete mixture. Do not dispense onto dry cement. Overdosing leads to retardation of setting times of concrete, mix may segregate and bleeding of concrete.

Precautions/Limitations

- Care should be taken to maintain EUCON HC 110 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Never agitate with air or an air lance.
- Add to mix independent of other admixtures.
- In all the cases, consult Safety Data sheet before use.