



EUCON HC R4

WATER REDUCING/SET RETARDING ADMIXTURE

DESCRIPTION

Eucon HC R4 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 R4 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

PROPERTY	VALUE
Physical state	Straw yellow to brown liquid
Base material	Modified polycarboxylate
Specific Gravity	1.08 ± 0.02 at 27°C
Air entrainment	≤ 1.5% over control mix
pH	Minimum 6
Chloride Content	< 0.2%

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

PACKAGING

EUCON HC R4 is packaged in bulk 220 kg and 20 kg drums.

SHELF LIFE

1 year in original, unopened package.

SPECIFICATIONS/COMPLIANCES

EUCON HC R4 meets or exceeds the requirements of:

- IS 9103/2007
- ASTM C494, 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 R4 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 R4 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, refer Safety Data sheet before use.