



# EUCON HC 170

## WATER REDUCING/SET RETARDING ADMIXTURE

**EUCLID CHEMICAL**

WATER REDUCERS

EUCON HC 170

Rev.01, 04/20

### DESCRIPTION

Eucon HC 170 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 170 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

#### Performance Data:

PROPERTIES	VALUE
Physical State	Straw yellow to brown liquid
Base Material	Polycarboxylate
Specific Gravity	1.06 ± 0.02 @ 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, PSC etc.,	

### PACKAGING / YIELD

EUCON HC 170 is packaged in 220 kg HDPE Drums.

### SHELF LIFE

1 year in original, unopened package.

### SPECIFICATIONS/COMPLIANCES

EUCON HC 170 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 170 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 170 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.