# EUCON HC 170

WATER REDUCING/SET RETARDING ADMIXTURE



## 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

# • Hot weather concreting

General purpose ready mix concrete.

• 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	$\leq$ 1.5% over control mix
	рН	Minimum. 6.0
	Chloride Content	<0.2%
C	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

WATER REDUCERS



Rev.01, 04/20

## **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.



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