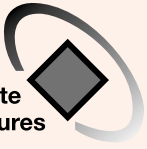


EUCON HC

WATER REDUCING/SET RETARDING ADMIXTURE

Euclid
Concrete
Admixtures



DESCRIPTION

EUCON HC 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 shows improved finishing characteristics when compared to untreated concrete. EUCON HC contains no added chlorides and will not promote corrosion of steel.

PRIMARY APPLICATIONS

- Flatwork concrete
- Architectural concrete
- General purpose ready mixed concrete
- Mass concrete
- Bridge decks
- Hot weather concreting

FEATURES/BENEFITS

Plastic Concrete

- Improves finishability
- Improves workability
- Reduces water requirement
- Extends setting times

Hardened Concrete

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

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

	Mix Design Reference	HC (Type A)	HC (Type D)
Cement	517 lbs (306 kg)	517 lb (306 kg)	517 lbs (306 kg)
Stone	1870 (1109 kg)	1870 (1109 kg)	1870 (1109 kg)
Sand	1155 (685 kg)	1207 (716 kg)	1220 (724 kg)
Water	247 (147 kg)	231 (137 kg)	223 (132 kg)
Dosage	–	2.5 oz/cwt (163 ml/100 kg)	5 oz/cwt (326ml/100kg)
Initial Set	5:02	5:40	5:53
Hardened Properties			
Compressive Strength psi (MPa)			
3 Day	3075 (21.2 MPa)	3870 (26.7 MPa)	4110 (28.3 MPa)
7 Day	3875 (26.7 MPa)	4830 (33.3 MPa)	5230 (36.1 MPa)
28 Day	5080 (35 MPa)	5860 (40.4 MPa)	6440 (44.4 MPa)

PACKAGING

EUCON HC is packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums, and 5 gal (18.9 L) pails.

Water Reducing/Set Retarding Admixture
EUCON HC

Master Format #: 03 0000

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The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

An **RPM** Company



SHELF LIFE

1 year in original, unopened package.

SPECIFICATIONS/COMPLIANCES

EUCON HC meets or exceeds the requirements of:

- ASTM C 494, Type A and Type D
- AASHTO M 194

DIRECTIONS FOR USE

EUCON HC should be added to the sand or water. It should not come in contact with dry cement or other admixtures until they are mixed with the concrete batch. EUCON HC is dispensed with automatic equipment, thus insuring uniformity of admixture use throughout the concrete.

EUCON HC is normally used at dosages of 2 to 5 fluid oz per 100 lb (130 to 326 ml per 100 kg) of cement for Type A performance, depending on the application. Dosage recommendations depend on the characteristics of the materials being used in the mix design. Field testing is strongly recommended to optimize dose range and performance expectations with local materials. For Type D performance, dosages range from 4 to 8 oz/cwt (261 to 522 mls/100 kg). EUCON HC is compatible with Euclid Chemical accelerators, air entraining agents, high range water reducers and corrosion inhibiting admixtures.

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain EUCON HC 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 cases, consult the Material Safety Data Sheet before use.

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