



THE EUCLID CHEMICAL COMPANY

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EUCON 11

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ADMIXTURE FOR IMPROVING CONCRETE

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EUCON 11 is a liquid admixture designed to accelerate the setting time of concrete and particularly that of fly ash concrete while producing higher early and ultimate strengths. It is non-staining and therefore suitable for use in architectural concrete. EUCON 11 can be used with air entraining cements and with air entraining, waterproofing and calcium chloride admixtures. However, each admixture must be dispensed separately into the concrete mix.

PRIMARY APPLICATIONS

- General purpose ready mixed concrete
- Concrete containing fly ash
- Architectural concrete

FEATURES / BENEFITS

Plastic Concrete

- Reduces bleed water
- Reduces segregation
- Reduces water requirements
- Improves workability.

Hardened Concrete

- Increases strengths at all ages
- Improves finished appearance
- Reduces cracking
- Reduces permeability
- Non staining

SPECIFICATIONS / COMPLIANCES

EUCON 11 is formulated to meet the requirements of ASTM C-494, Type A and AASHTO M-194.

PACKAGING

EUCON 11 is packaged in bulk, 275 gal (1041 liter) totes, 55 gal (208 liter) drums and 5 gal (18.9 liter) pails.

Dosage Rates

EUCON 11 is normally used at dosages of 3 to 5 fluid oz per 100 lb (190-315 ml/100 kg) cement. Dosage recommendations depend on the characteristics of the materials being used.

TECHNICAL INFORMATION

Typical Engineering Data

Initial Setting Rate @ 75°F (24°C)

Mix	Cement lb (kg)	Fly Ash lb (kg)	Time
Reference	517 (235)	---	4 hr
EUCON 11	423 (192)	80 (36)	3 hr 40 min
EUCON 11	470 (213)	---	3 hr 40 min

Strength Comparison

Mix	Cement lb (kg)	Fly Ash lb (kg)	Slump in (mm)	Air %	Increase %
Reference	470 (213)	----	3 1/2 (8.9)	4.8	---
EUCON 11	423 (192)	----	4 1/2 (11.4)	5.6	110-130
EUCON 11	376 (170)	80 (36)	4 1/2 (11.4)	5.3	110-130

Shelf life is 2 years in original, unopened package.

DIRECTIONS FOR USE

EUCON 11 should be added to the sand or water. It should not come in contact with dry cement or other admixtures until they are mixed in the concrete batch. EUCON 11 is dispensed with automatic equipment, thus insuring uniformity of admixture dosage throughout the job.

PRECAUTIONS / LIMITATIONS

- Care should be taken to maintain EUCON 11 above freezing.
- For additional information on EUCON 11, its usage on typical mix designs, contact The Euclid Chemical Company.
- Add to mix independent of other admixtures.
- EUCON 11 contains added chlorides and adds approximately 18 ppm calcium chloride to a yd³ (.76 m³) of 3000 psi (20.7 MPa) concrete.

Form Eucon 11-10.00

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