



THE EUCLID CHEMICAL COMPANY

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EUCON RETARDER 75



**CONCRETE WATER REDUCER-
SET CONTROLLING RETARDER**

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EUCON RETARDER 75 is a synthetically produced liquid water-reducing and set retarding admixture for concrete. It is a modified organic polymer of sodium glucoheptonate. EUCON RETARDER 75 does not contain calcium chloride or other potential corroding materials, and may be used in the presence of aluminum or zinc metals.

It is compatible with air-entraining agents, waterproofers and calcium chloride, but they must be added separately to the mix.

PRIMARY APPLICATIONS

- Prestressed concrete
- Concrete requiring water reducing and set time control
- Architectural concrete

FEATURES / BENEFITS

Plastic Concrete

- Controls rate of set
- Improves finishability
- Improves workability
- Reduces water requirements
- Reduces segregation

Hardened Concrete

- Increases strengths
- Improves finished appearance
- Reduces cracking
- Reduces permeability
- Non staining

SPECIFICATIONS / COMPLIANCES

EUCON RETARDER 75 meets or exceeds the requirements of :

- ASTM C-494, Type D
- AASHTO M-194
- ANSI/NSF STD 61

PACKAGING

EUCON RETARDER 75 is packaged in bulk, 275 gal (1041 liter) totes, 55 gal (208 liter) drums and 5 gal (18.9 liter) pails.

TECHNICAL INFORMATION

Typical Engineering Data

Strength Results

Compared with Reference Concrete (Plain Mix)

	Compressive Strength	Flexural Strength
3 days	123%	100.4%
7 days	112%	100.4%
28 days	111%	101.7%
1 year	113%	----

Setting Time Change-Initial +2 hr 24 min

Final +3 hr 3 min

Relative Durability Factor - 96.7%

Dosage Rates

Air or Concrete Temperature	Dosage per 100 lb (100 kg) Cement
40°-69°F (4°-21°C)	2 oz (125 ml) min.
70°-79°F (21°-26°C)	3 oz (190 ml)
80°-89°F (27°-32°C)	4 oz (250 ml)
90°F.+ (32°C)	5 oz (315 ml) max.*

*For higher dosage rates, contact The Euclid Chemical Company for recommendations.

Shelf life is 1 year in original, unopened package.

DIRECTIONS FOR USE

EUCON RETARDER 75 should be added to the sand or water. It should not come in contact with dry cement or other admixtures until they Form Eucon Retarder 75-6.97re mixed in the concrete batch. EUCON RETARDER 75 is dispensed with automatic equipment, thus insuring uniformity of admixture use throughout the job.

PRECAUTIONS / LIMITATIONS

- Care should be taken to maintain EUCON RETARDER 75 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Add to mix independent of other admixtures.

Form Eucon Retarder 75-10.00

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