



THE EUCLID CHEMICAL COMPANY

19218 REDWOOD ROAD • Cleveland, OH 44110
(216) 531-9222 • (800) 321-7628 • FAX (216) 531-9596
www.euclidchemical.com

EUCON WR 75

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**WATER REDUCING, NORMAL SETTING
CONCRETE ADMIXTURE**

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EUCON WR 75 is a synthetically produced liquid, water-reducing admixture for concrete. It is a modified organic polymer of sodium glucoheptonate, and it has been formulated to give optimum performance in reducing water requirements for concrete. EUCON WR 75 does not contain calcium chloride or other potential corroding materials; therefore, it may be used in pre-stressed concrete or in the presence of aluminum or zinc embedments. It is compatible with air-entraining agents, waterproofers and calcium chloride, but they must be added separately to the mix.

PRIMARY APPLICATIONS

- Flatwork concrete
- General ready mix concrete
- Architectural concrete

FEATURES / BENEFITS

Plastic Concrete

- Improves finishability
- Improves workability
- Improves finished appearance
- Reduces water requirements
- Reduces segregation
- Compatible with air entraining agents and CaCl₂

Hardened Concrete

- Reduces cracking
- Reduces permeability
- Increases all strengths

SPECIFICATIONS / COMPLIANCES

EUCON WR 75 meets or exceeds the requirements of:

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

PACKAGING

EUCON WR 75 is available 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)

<u>Test Age</u>	<u>Compressive Strength</u>	<u>Flexural Strength</u>
3 days	130%	122%
7 days	121%	110%
28 days	117%	107%
1 year	119%	----

Setting Time Change - Initial +27 minutes
Final +28 minutes

Relative Durability Factor - 98.4%

Shelf life is 1 year in original, unopened package.

Dosage Rates

EUCON WR 75 is normally used at dosages of 2 to 3 fluid oz per 100 lb (125-190 ml per 100 kg) cement. Dosage recommendations depend on the characteristics of the materials. The 2 fluid oz per 100 lb. (125 ml/100 kg) cement rate is generally specified and used.

DIRECTIONS FOR USE

EUCON WR 75 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 WR 75 is dispensed with automatic equipment, thus insuring uniformity of admixture use at the job.

PRECAUTIONS / LIMITATIONS

- Care should be taken to maintain EUCON WR 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 WR 75-10.00

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