



THE EUCLID CHEMICAL COMPANY

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EUCON WR®



WATER REDUCING ADMIXTURE

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EUCON WR is a solution of a modified salt of ligno sulfonic acid which is completely free of any added chloride ions. It is a water-reducing, normal-set admixture for concrete. It provides a more plastic and cohesive mix in the fresh concrete and better durability, reduced shrinkage and less permeability in the hardened concrete.

PRIMARY APPLICATIONS

- Ready mixed concrete
- Prestressed concrete
- Precast concrete
- Lightweight concrete
- Expansive concrete

FEATURES / BENEFITS

- Provides easier handling and finishing
- Increases strength
- Provides increased durability
- Reduces shrinkage and permeability

SPECIFICATIONS / COMPLIANCES

EUCON WR meets or exceeds the requirements of:

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

PACKAGING

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

PRECAUTIONS / LIMITATIONS

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

TECHNICAL INFORMATION

Typical Engineering Data

Initial Setting Rate @ 75°F (24°C)

Mix	Cement	Time
Reference	514 lb (233 kg)	3 hr 53 min
EUCON WR	513 lb (233 kg)	4 hr 39 min

Compressive Strength compared to reference mix

Age	EUCON WR
3 days	122%
7 days	121%
28 days	116%
6 months	115%
1 year	114%

Flexural Strength

Age	EUCON WR
3 days	110%
7 days	123%

Relative Durability Factor - 96.6%

Shrinkage - passes

Shelf life is 1 year in original, unopened package.

DIRECTIONS FOR USE

EUCON WR is dispensed into any part of the concrete material, except cement and preferably into the water at the usual rate of 4 oz per 100 lb (250 ml per 100 kg) cement. EUCON WR may be used in multiple dose rates for increased performance, and when used at 12 oz per 100 lb (750 ml per 100 kg) cement it then will comply with the requirements of a water-reducing, cement retarding admixture ASTM C-494, Type D. It will freeze at 29°F (-2°C) but will return to its original state after thawing and thorough mixing. EUCON WR is compatible with other admixtures, i.e. calcium chloride and air entraining agents; however, each admixture should be added to the mix separately.

When using EUCON WR with an air entraining agent, the dosage rate of the air entraining agent should be reduced. EUCON WR may react with the air entraining agent increasing its air producing efficiency.

EUCON WR is dispensed with automatic equipment, thus insuring uniformity of admixture use throughout a job.

Form Eucon WR-10.00

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