



EUCLID CHEMICAL

# EUCON W.O.

## CEMENT HYDRATION STABILIZER/WATER REDUCING SET RETARDING ADMIXTURE

### DESCRIPTION

**EUCON W.O.** is a dual purpose liquid chemical admixture specially formulated to retard concrete for extended periods of time and can be used to stabilize the wash-out water in the drum of a ready-mix truck and/or a central batch mixer at the concrete plant.

EUCON W.O will virtually stop the hydration of cement during hot weather or extended pumping operations. EUCON W.O. can be used as a water reducing set retarding admixture to minimize slump loss. The EUCON W.O. when used in combination with other water reducing and or water reducing set retardation admixtures can control slumps of 8 to 10" and retain these slumps for 2 hours or more.

EUCON W.O. eliminates the need to discharge waste wash-out water into settling pits that may be creating potential environmental problems. EUCON W.O. prevents normal hydration of the portland cement for up to 96 hours depending upon the dosage rate used. EUCON W.O. is designed to reduce the amount of water needed during the wash-out process of a ready mix truck's drum. The material stabilizes or retards the remaining cement to allow for future use of the wash-out water. EUCON W. O. reduces the amount of water, and also protects the environment . It eliminates the need for wash-out pits. EUCON W.O. does not contain any added chloride ions and is non-corrosive.

### PRIMARY APPLICATIONS

- Stabilize wash out water
- Concrete requiring water reducing and set retardation
- Concrete requiring extended slump life

### FEATURES/BENEFITS

- Eliminates the need to use 200 to 300 gal (757 to 1136 liter) of water to wash-out versus 50 gal (189 IL) with EUCON W.O.
- Environmental hazards are reduced because wash-out water is used as batch water for the next load of concrete rather than discharging into settling ponds
- Wash-out time is decreased due to the rapid cleansing action of the proprietary ingredients in EUCON W.O.
- Saves wash-out water
- Protects the environment
- Eliminates wash-out pits
- Reduces clean-up time
- Superior set retardation
- Reduces water requirements
- Retains slump life for 2 hours or more

### PACKAGING

EUCON W.O. is packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) and 5 gal (18.9 L) pail.

### SHELF LIFE

2 years in original, unopened container.

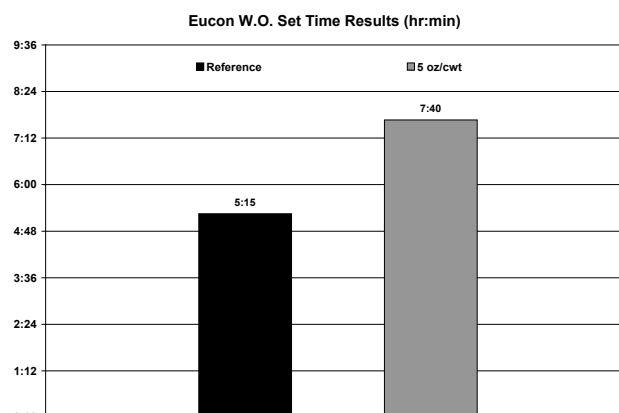
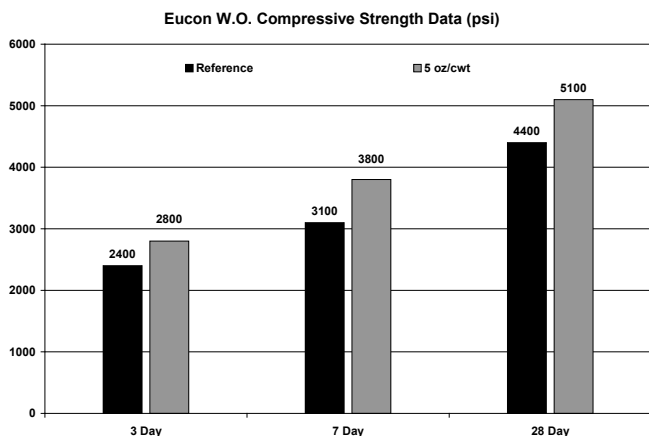
### SPECIFICATIONS/COMPLIANCES

- Meets ASTM C 494 Type D Admixture

## TECHNICAL INFORMATION

### Performance Data:

The following test results were achieved using typical ASTM C 494 mix design requirements, 517 lb/yd<sup>3</sup> (307 kg/m<sup>3</sup>) cement content and similar ( $\pm 0.5$ )% air content. These results were obtained under laboratory conditions with materials and mix designs meeting the specifications of ASTM C 494. Changes in materials and mix designs can affect the dosage response of Eucon W.O.



### Typical Engineering Data - Holding Time per 50 gal (190 L) of water:

	Dosage Rate
8 to 12 hours	1 pt (0.5 L)
Overnight	1 qt (0.9 L)
Weekend	2 qt (1.9 L)

## DIRECTIONS FOR USE

### Cement Stabilizer

Discharge all returned or left over concrete.

Add 40 to 50 gal (150 to 190 L) of water to the empty ready mix drum. Rinse fins by reversing the drum to back the water to the rear of the drum.

Add the required EUCON W.O. directly to the wash water.

Bring the EUCON W.O. wash water to the front of the drum and mix at high speeds for at least 60 seconds.

Again, reverse the drum and rinse off the mixer fins.

Return the rinse water to the front of the mixer and again mix at high speed for 60 seconds.

### Concrete Admixture

EUCON W.O. should be added to the sand or water. Typical dosage rates for EUCON W.O. are 1 to 16 oz per 100 lb (260 to 1040 ml per 100 kg) of cement. It should not come in contact with dry cement or other admixtures until they are mixed in the concrete batch.

## PRECAUTIONS/LIMITATIONS

- Wear protective goggles and gloves when handling EUCON W. O.
- Add to mix independent of other admixtures.
- Care should be taken to maintain EUCON W.O. above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Do not agitate with air.
- In all case, consult the Safety Data Sheet before use.

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