

## WATER REDUCERS

Master Format #: 03 30 00 03 40 00 03 70 00

# EUCON™ WR 75

WATER REDUCING, SET RETARDING ADMIXTURE



EUCLID CHEMICAL

## PRODUCT INFORMATION

### PACKAGING

Packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails

### SHELF LIFE

1 year in original, unopened container

### SPECIFICATIONS/COMPLIANCES

ASTM C494, Type A, B & D

AASHTO M194

## DESCRIPTION

EUCON WR 75 is a synthetically produced liquid, water reducing and retarding admixture for concrete that has been formulated to give optimum performance in reducing water requirements for concrete. EUCON WR 75 contains no added chlorides or chemicals known to promote the corrosion of steel.

## PRODUCT CHARACTERISTICS

### FEATURES & BENEFITS

- Improves finishability
- Improves workability
- Reduces segregation
- Extending setting time
- Increases durability
- Reduces water requirement
- Increases strength
- Reduces permeability
- Improves finished appearance
- Reduces cracking

### PRIMARY APPLICATIONS

- Flatwork Concrete
- Ready mixed concrete
- Architectural concrete
- Hot weather concrete
- Bridge Decks
- Mass concrete

## PRECAUTIONS/LIMITATIONS

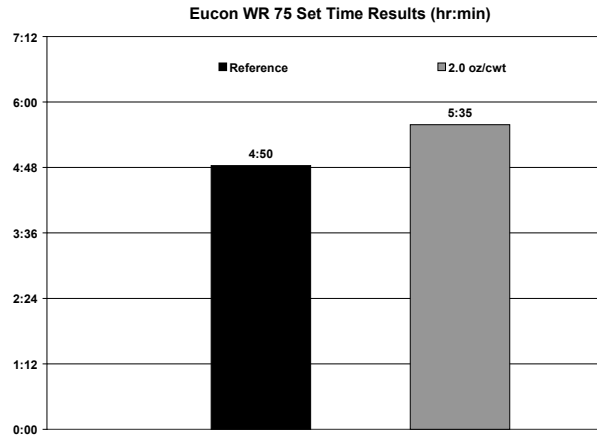
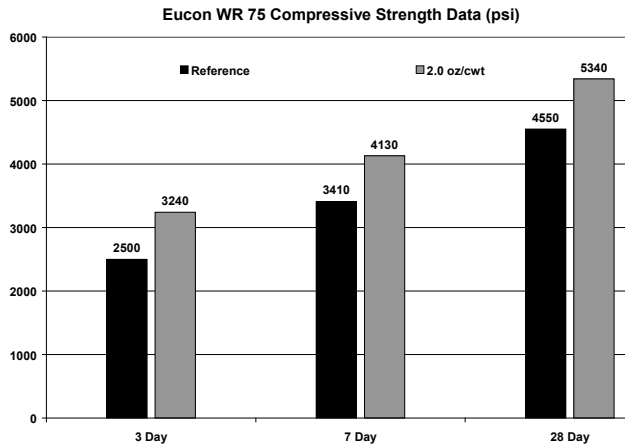
- Care should be taken to maintain EUCON WR 75 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air or an air lance.
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.

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## TECHNICAL INFORMATION

### PERFORMANCE DATA

The following test results were achieved using typical ASTM C494 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 C494. Changes in materials and mix designs can affect the dosage response.



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## DIRECTIONS FOR USE

EUCON WR 75 is typically used at dosages of 2 - 5 oz/100 lbs (130 - 325 mL/100 kg) of cementitious material. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

EUCON WR 75 has been tested per ASTM C494 at a Type A dosage of 2 oz/100 lbs (130mL/100 kg) of cementitious materials and at 5 oz/100 lbs (325 mL/100 kg) of cementitious materials for Type B and D requirements.

EUCON WR 75 should be added to the initial batch water of the concrete mixture. Do not dispense onto dry cement. Because of variations in job conditions and concrete materials, dosages other than the recommended amounts may be required. In such cases, contact your local Euclid sales representative.

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## ADDITION RATES

The addition rate range of 3 - 5 fl oz/100 lbs (195 to 325 mL/ 100 kg) of cement or cementitious is typical for most applications. However, addition rates of 2 - 7 fl oz/100 lbs (130 to 455 mL/100 kg) of cement or cementitious maybe used if local testing shows acceptable performance. Pretesting is required to determine the appropriate addition rate for desired performance. The optimum addition rate depends on the other concrete mixture components, job conditions and desired performance characteristics.

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