

## RETARDERS

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

# EUCON™ NR

## WATER REDUCING AND 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 & D

AASHTO M194

### DESCRIPTION

Eucon NR is a water reducing and set retarding admixture for concrete. This versatile admixture will help produce predictable concrete and provide the right amount of retardation for mixing, transporting, placing and finishing. EUCON NR reduces “water of convenience” which will reduce shrinkage, increase compressive strengths and reduce permeability. EUCON NR contains no added chlorides or chemicals known to promote the corrosion of steel.

### PRODUCT CHARACTERISTICS

#### FEATURES & BENEFITS

##### Plastic Concrete

- Improves finishability
- Improves workability
- Reduces water requirement
- Extends setting times

##### Hardened Concrete

- Increases compressive strength
- Reduces permeability
- Improves finished appearance
- Reduces shrinkage
- Increases durability
- Non staining

#### PRIMARY APPLICATIONS

- Flatwork concrete
- Architectural concrete
- General purpose ready mixed concrete
- Mass concrete
- Bridge decks
- Hot weather concreting

### PRECAUTIONS/LIMITATIONS

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

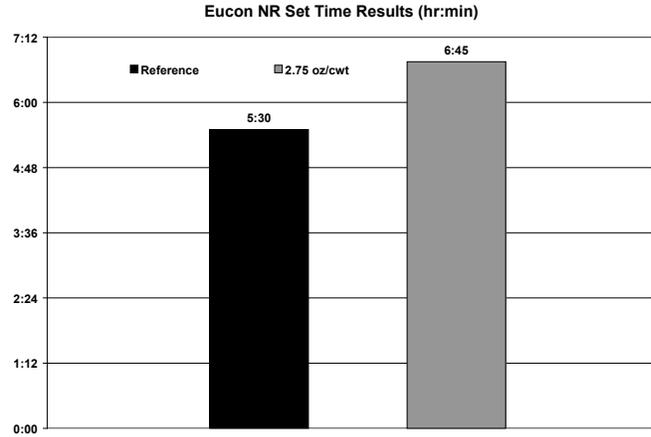
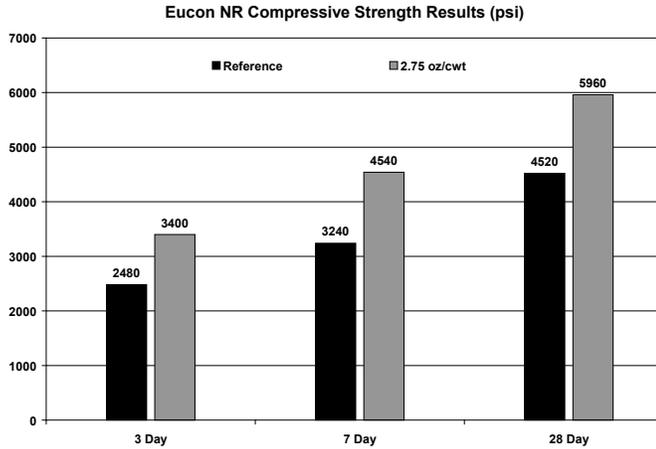
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## TECHNICAL INFORMATION

### 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 of EUCON NR.



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## DIRECTIONS FOR USE

EUCON NR is normally used at dosages of 2 - 8 oz/100lbs (130 - 520 ml/100kg) of cementitious material, depending on the application. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

EUCON NR 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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