

## RETARDERS

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

# EUCON™ 727

## WATER REDUCING AND SET RETARDING ADMIXTURE



EUCLID CHEMICAL

### PRODUCT INFORMATION

#### PACKAGING

Available in bulk as well as in containers of 1000, 205 or 20 L

#### SHELF LIFE

1 year in original, unopened container

#### SPECIFICATIONS/COMPLIANCES

ASTM C494, Type D

Approved by the Quebec and Ontario Ministry of Transportation.

### DESCRIPTION

EUCON 727 is a water reducing and set retarding admixture for concrete. Specifically formulated with strong set retarding and strength enhancing ingredients that ensure better developed strength and durability for concrete. EUCON 727 contains no added chlorides or chemicals known to promote the corrosion of steel and is particularly suited for warm weather conditions and concrete mixes with high cementitious material content.

### PRODUCT CHARACTERISTICS

#### FEATURES & BENEFITS

- Reduces water requirements from 4 - 8% depending on dosage and cementitious material characteristics.
- Synergistic properties when used in conjunction with EUCON WR-75, EUCON WR or EUCON DX
- Helps to control concrete setting time in hot weather.
- Has a mostly neutral effect on air content
- Extends initial setting time of concrete
- Generally increases compressive strengths from 15 - 25%

#### 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 727 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Add to mix independent of other admixtures and do not dispense on dry cement.
- In all cases, consult the Safety Data Sheet before use.
- EUCON 727 is not W.H.M.I.S. regulated

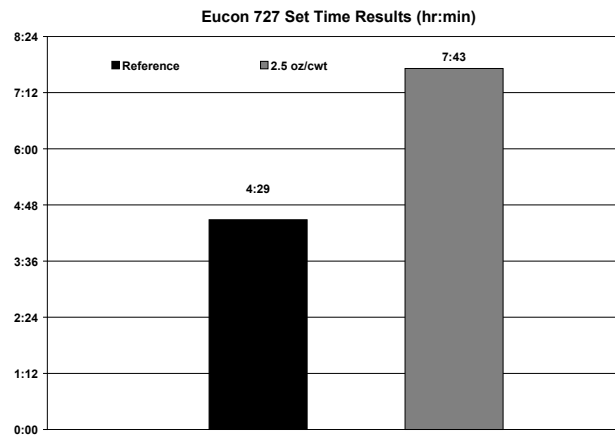
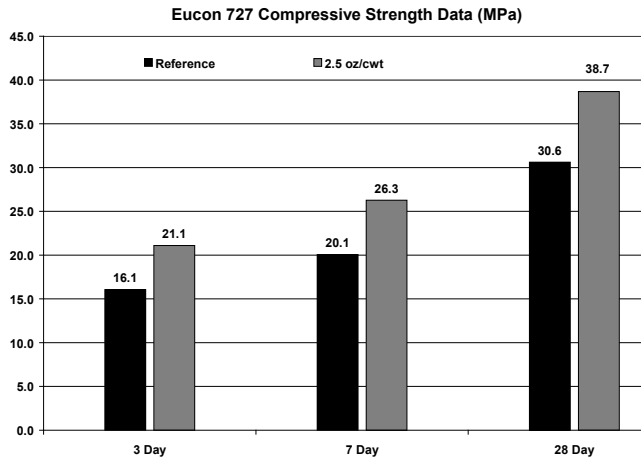
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## TECHNICAL INFORMATION

### 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 727.



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## DIRECTIONS FOR USE

EUCON 727 should ideally be introduced in the mix a few seconds after the water reducer or cementitious-water contact if used without another water reducer. This will ensure a better reaction with the cementitious material particles and then maximize the retardation effect. It should not be in direct contact with dry cement. Always add independently of other admixtures.

The dosage varies upon the desired effect, the cementitious material (quantity, type and source), concrete and ambient temperatures. Also, the dosage could vary if EUCON 727 is used in conjunction with another water reducing admixture.

Set retarding, Type D : 130 mL/100 kg of cementitious material.

Example: Addition rate of 50 mL/100 kg of cementitious material of EUCON 727 in a concrete mix that already contains a water reducer can retard setting time from 1 to 3 hours, depending on the characteristics of the cementitious material. EUCON 727 used alone at a dosage of 175 mL/100 kg of cementitious material will extend setting time for 2 to 3 hours when compared to a mix without any admixture, depending on the characteristics of the cementitious material.

The effect of the total dosage should be verified with a trial mix prior to job site pours. Contact your Euclid Chemical representative to get more information for the use of EUCON 727.

Rev. 03.21

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