

## RETARDERS

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# EUCON™ RETARDER 100

WATER REDUCING - EXTENDED SET CONTROLLING RETARDER

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 B & D

AASHTO M194

CSA Standard CAN 3 A266.2-M78

## DESCRIPTION

EUCON Retarder 100 is a synthetically produced liquid water-reducing and set retarding admixture for concrete. It is a modified sodium gluconate. EUCON Retarder 100 may be used at varying dosage rates to achieve extended set times compared to a control mix of up to 30 hours. EUCON Retarder 100 contains no added chlorides or chemicals known to promote the corrosion of steel and is compatible with air-entraining agents, water reducers and accelerators.

## PRODUCT CHARACTERISTICS

### FEATURES & BENEFITS

#### Plastic Concrete

- Retards setting characteristics
- Improves finishability
- Improves workability
- Reduces water requirements
- Reduces segregation

#### Hardened Concrete

- Increases strengths
- Improves finished appearance
- Reduces cracking
- Reduces permeability
- Non staining

### PRIMARY APPLICATIONS

- Prestressed concrete
- Concrete requiring water reduction and set time control
- Architectural concrete
- Hot weather concrete placement

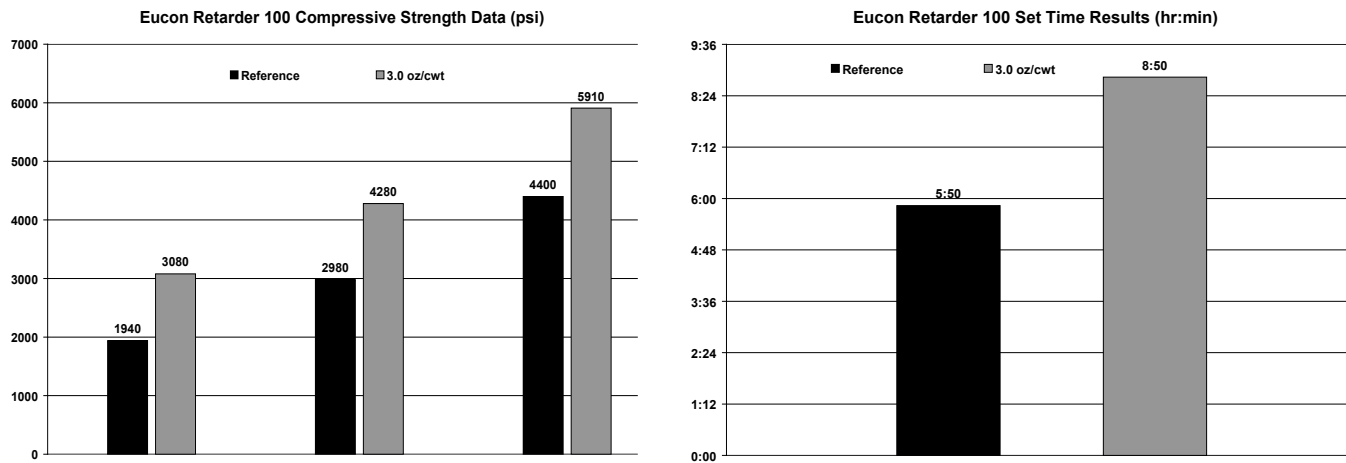
## PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain EUCON RETARDER 100 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.

# 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 (± 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 RETARDER 100.



## DIRECTIONS FOR USE

EUCON RETARDER 100 is normally used at dosages of 2 - 6 oz/100lbs (130 - 390 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 RETARDER 100 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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