**EUCON RETARDER 75**

**Water Reducing and Set Controlling Admixture**

**DESCRIPTION**

EUCON RETARDER 75 is a synthetically produced liquid water reducing and set retarding admixture for concrete. It will improve the plastic and hardened properties when added to a concrete mix. EUCON RETARDER 75 contains no added chlorides or chemicals known to promote the corrosion of steel.

**PRIMARY APPLICATIONS**

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

**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

**TECHNICAL INFORMATION**

**Performance Data**

The following test results were achieved using typical ASTM C 494 mix design requirements, 517 lb/yd³ (307 kg/m³) 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 75.

![Eucn Retarder 75 Compressive Strength Data (psi)](image)

![Eucn Retarder 75 Set Time Results (hr:min)](image)
**Packaging**

EUCON RETARDER 75 is packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails.

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**Shelf Life**

1 year in original, unopened container.

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**Specifications/Compliances**

- ASTM C 494, Types B & D
- AASHTO M 194
- ANSI/NSF STD 61

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**Directions for Use**

EUCON RETARDER 75 is normally used at dosages of 2 to 5 oz per 100 lb (130 to 330 ml per 100 kg) 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 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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**Precautions/Limitations**

- Care should be taken to maintain EUCON RETARDER 75 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.