**EUCON WR 91**

**WATER REDUCING, SET RETARDING ADMIXTURE**

**DESCRIPTION**

**EUCON WR 91** is a liquid, water reducing and set retarding admixture formulated to improve setting and finishing characteristics for concrete when compared to other commonly used ASTM C 494 Type A water reducers. **EUCON WR 91** contains no added chlorides or chemicals known to promote the corrosion of steel.

**PRIMARY APPLICATIONS**

- Flatwork concrete
- General ready mix concrete
- Architectural concrete
- Mass concrete
- Bridge decks
- Hot weather concrete

**FEATURES/BENEFITS**

**Plastic Concrete**
- Improves finishability
- Improves workability
- Reduces water requirement
- Reduces segregation
- Improves setting times

**Hardened Concrete**
- Increases strength at all ages
- Reduces permeability
- Improves finished appearance
- Reduces cracking
- Increases durability
- 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 C 494. Changes in materials and mix designs can affect the dosage response of **EUCON WR 91**.
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**PACKAGING**

EUCON WR 91 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**

EUCON WR 91 meets or exceeds the requirements of:

- ASTM C 494, Type A & D
- AASHTO M 194
- ANSI / NSF STD 61

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**DIRECTIONS FOR USE**

EUCON WR 91 is typically used at dosages of 2 to 10 oz per 100 lbs (130 to 650 mL per 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 91 has been tested per ASTM C494 at a Type A dosage of 4 fl oz/cwt (195mL/100 kg) of cementitious materials and at 7 fl oz/cwt (460 mL/100 kg) of cementious materials for Type B and D requirements.

EUCON WR 91 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 WR 91 above freezing, however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Never agitate with air.
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.

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