**EUCON WR 91**

**WATER REDUCING, SET RETARDING ADMIXTURE**

**DESCRIPTION**

**EUCON WR 91** is a liquid, water-reducing and set retarding admixture for concrete. **EUCON WR 91** shows improved setting and finishing characteristics when compared to other commonly used ASTM C 494 Type A water reducers. **EUCON WR 91** may be used at a wide range of dosage rates. **EUCON WR 91** does not contain calcium chloride or other potential corrosion-enhancing ingredients.

**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
- Compatible with air entraining agents

**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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![Eucon WR 91 Compressive Strength Data (psi)](image)

![Eucon WR 91 Set Time Results (hr:min)](image)

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**The Euclid Chemical Company**

19218 Redwood Rd. • Cleveland, OH 44110

Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596

www.euclidchemical.com

**An RPM Company**

**UL Listed**

Master Format #: 03 3000    03 4000    03 7000
**WARRANTY:** The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. Euclid makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.

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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.

**SHELF LIFE**

1 year in original, unopened container.

**SPECIFICATIONS/COMPLIANCES**

EUCON WR 91 meets or exceeds the requirements of:
- ASTM C 494, Type A & D
- AASHTO M 194
- ANSI/NSF STD 61

**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 should be added to the initial batch water of the concrete mixture. Do not dispense onto dry cement.

**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 Material Safety Data sheet before use.

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