

WATER REDUCERS

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

EUCON™ WR 91

WATER REDUCING, SET RETARDING ADMIXTURE



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 A & D

AASHTO M194

ANSI / NSF STD 61

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 C494 Type A water reducers. EUCON WR 91 contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Improves finishability
- Improves workability
- Reduces water requirement
- Reduces segregation
- Improves setting times
- Increases strength at all ages
- Reduces permeability
- Improves finished appearance
- Reduces cracking
- Increases durability

PRIMARY APPLICATIONS

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

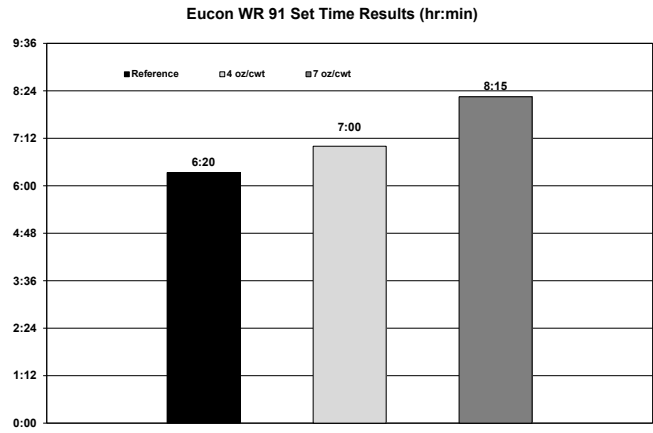
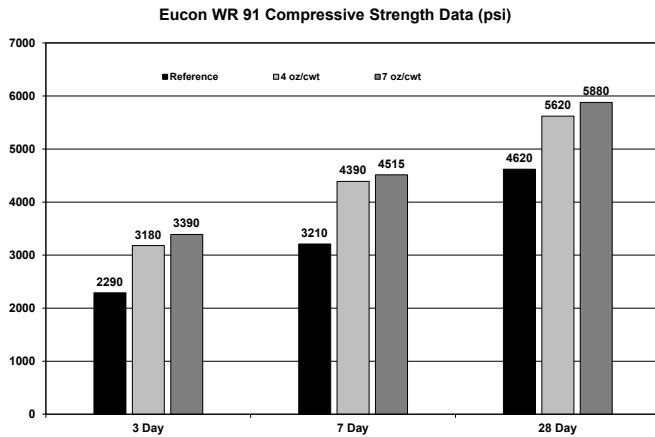
PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain EUCON WR 91 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air or an air lance.
- 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/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.



DIRECTIONS FOR USE

EUCON WR 91 is typically used at dosages of 2 - 10 oz/100 lbs (130 - 650 mL/100 kg) of cementitious material. Higher dosages are acceptable with prior testing and confirmation of desired performance with materials being used.

EUCON WR 91 has been tested per ASTM C494 at a Type A dosage of 4 oz/100 lbs (195mL/100 kg) of cementitious materials and at 7 oz/100 lbs (460 mL/100 kg) of cementitious 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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