



EUCON WR 91

WATER REDUCING, SET RETARDING ADMIXTURE

EUCLID CHEMICAL

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

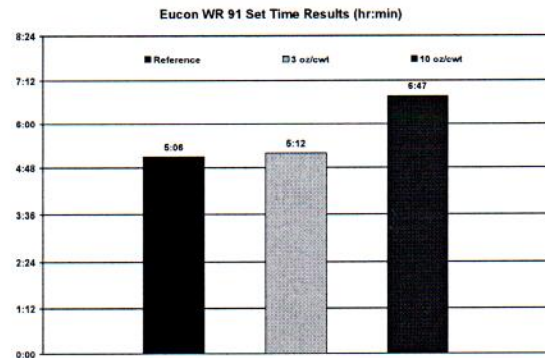
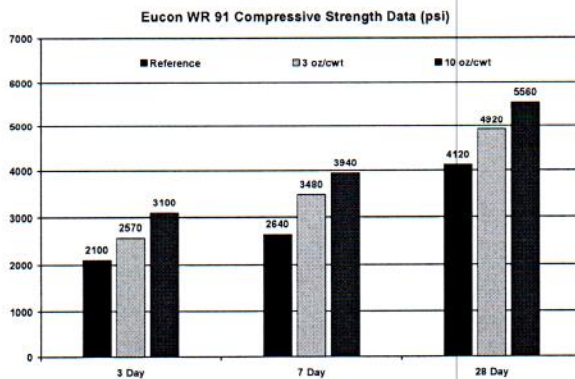
- Increases strength at all ages
- Reduces permeability
- Improves finished appearance
- Reduces cracking
- Increases durability
- Non staining

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.



WATER REDUCERS

EUCON WR 91

MASTER FORMAT #:
03 30 00 03 40 00
03 70 00

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 Safety Data Sheet before use.

Rev. 11.14

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