EUCON NR

Water Reducing/Set Retarding Admixture

EUCLID CHEMICAL

Description

EUCON NR is a water reducing and retarding admixture for concrete. This versatile admixture will help produce predictable concrete and provide the right amount of retardation for mixing, transporting, placing and finishing. EUCON NR reduces "water of convenience" which will reduce shrinkage, increase compressive strengths and reduce permeability. EUCON NR contains no added chlorides and will not promote corrosion of steel.

Primary Applications

- Flatwork concrete
- Architectural concrete
- General purpose ready mixed concrete
- Mass concrete
- Bridge decks
- Hot weather concreting

Features/Benefits

Plastic Concrete

- Improves finishability
- Improves workability
- Reduces water requirement
- Extends setting times

Hardened Concrete

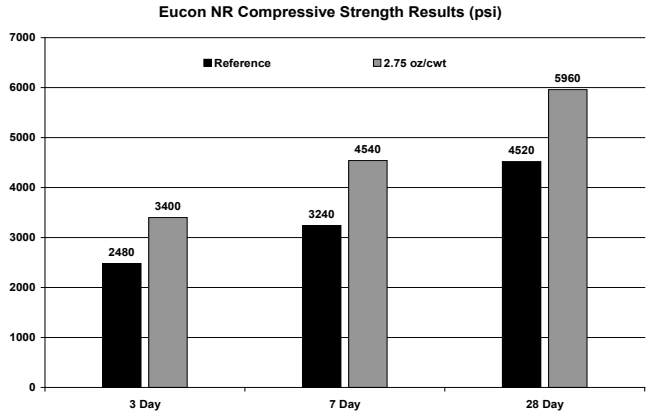
- Increases compressive strength
- Reduces permeability
- Improves finished appearance
- Reduces shrinkage
- Increases durability
- Non-staining

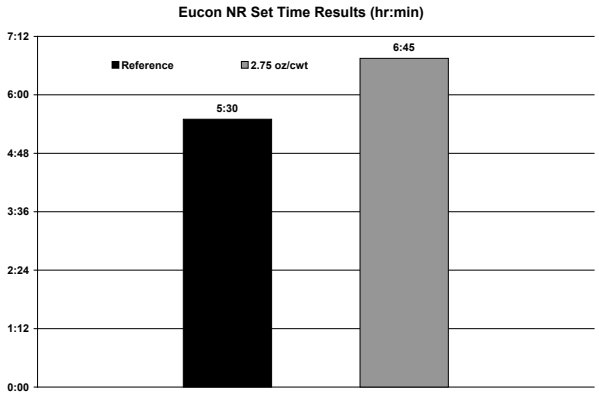
Technical Information

Perfomance Data

The following test results were achieved using typical ASTM C 494 mix design requirements, 517 lb/yd^3 (307 kg/m^3) 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 NR.





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Packaging

EUCON NR 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 package.

Specifications/Compliances

EUCON NR meets or exceeds the requirements of:

- ASTM C 494, Types A & D
- AASHTO M 194

Directions for Use

EUCON NR is normally used at dosages of 2 to 8 oz per 100 lb (130 to 520 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 NR 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 NR above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Never agitate with air or an air lance.
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before sue.

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