

MID RANGE WATER REDUCERS

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

EUCON™ X20

MID RANGE WATER REDUCING 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 & F

AASHTO M194

DESCRIPTION

EUCON X20 is a unique mid range water reducing and plasticizing admixture that is manufactured with state of the art chemistries to provide exceptional slump retention without excessive retardation in warm temperatures. EUCON X20 shows improved finishing characteristics when compared to other commonly used Type A or F water reducing admixtures. EUCON X20 contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Improves workability / finishability
- Reduces water requirement
- Exceptional slump retention in hot weather
- Increases all strength
- Reduces permeability
- Improves finished appearance
- Reduces shrinkage
- Increases durability

PRIMARY APPLICATIONS

- Flatwork concrete
- Architectural concrete
- Ready mixed concrete
- Hot weather concreting

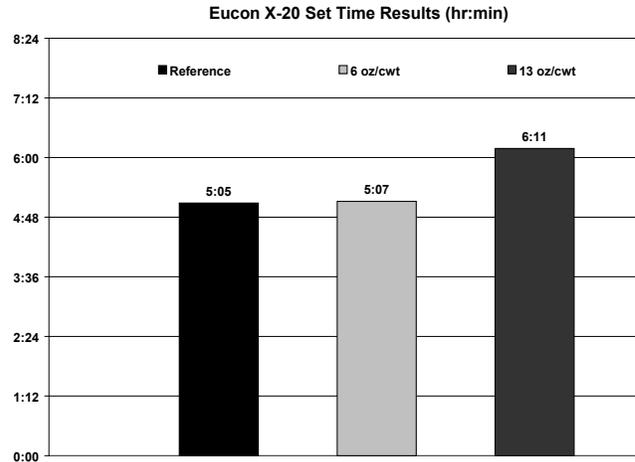
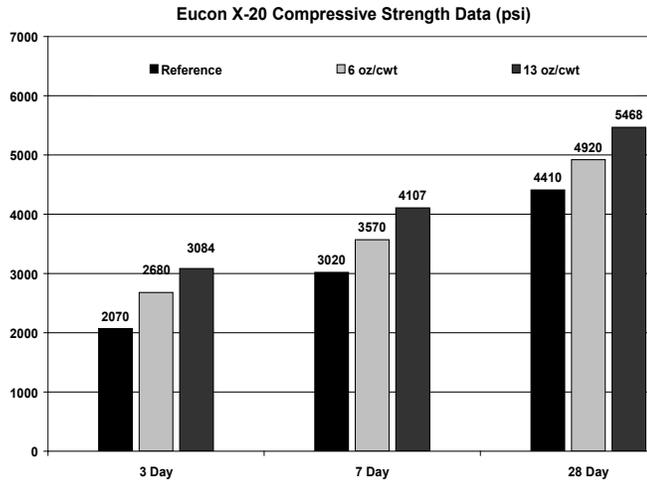
PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain EUCON X20 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 X20 is typically used at dosages of 3-15 oz/100lbs (200-1000 mL/100 kg) of cementitious material. EUCON X20 can provide excellent performance and standard water reduction for most applications at dosage rates of 5-10 oz/100lbs (325-mL/650 kg) of cementitious material.

Dosage recommendations depend on the characteristics of the materials being used in the mix design. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials used.

EUCON X20 should be added to the initial batch water when possible. It should not come in contact with dry cement or other admixtures until they are mixed with the concrete batch. Field testing is strongly recommended to optimize dose range and performance expectations with local materials. EUCON X20 is compatible with Euclid Chemical admixtures.

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