



ACCELGUARD[®] AcN 200

NON-CHLORIDE, ACCELERATING & WATER-REDUCING ADMIXTURE

EUCLID CHEMICAL

DESCRIPTION

ACCELGUARD AcN 200 is an accelerating, water-reducing admixture for concrete that does not contain calcium chloride or added chloride ions. It improves properties of plastic and hardened concrete, provides a significant improvement in early stiffening and setting characteristics, improves workability and decreases bleeding and segregation. This complex, high performance admixture performs well under severe cold conditions allowing projects to stay on schedule.

PRIMARY APPLICATIONS

- Cold weather concreting
- Structural and plain concrete
- Wetcast/precast concrete products

FEATURES/BENEFITS

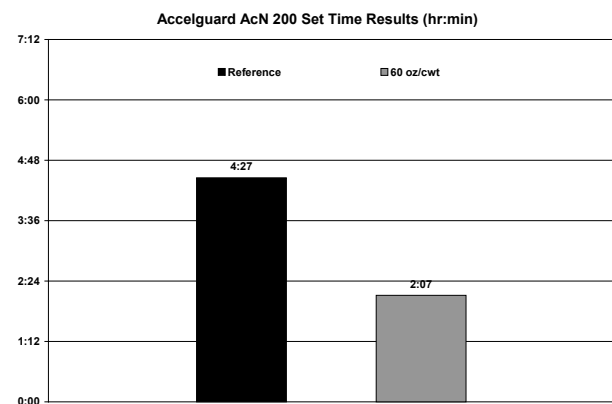
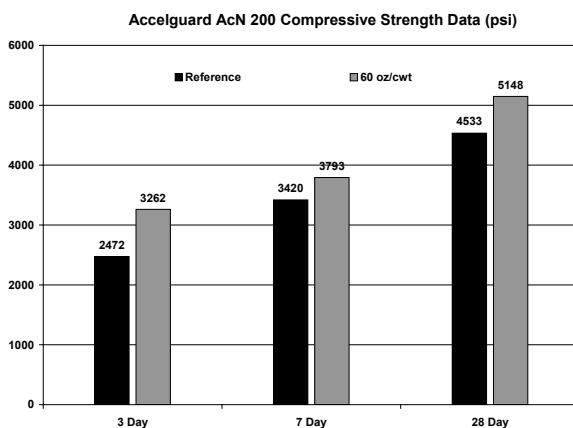
- Reduces initial set 1 to 4 hours depending on concrete temperatures
- Improves workability and provides denser concrete
- Minimizes bleeding and segregation
- Improves compressive strength development at early ages
- Decreases overtime allowing earlier finishing
- Eliminates the need for Type III cement

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 ACCELGUARD AcN 200.



PACKAGING

ACCELGUARD AcN 200 is packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails.

SHELF LIFE

2 years in original, unopened package.

SPECIFICATIONS/COMPLIANCES

- Complies with ASTM C 494, Type C and E admixture specifications.
- Complies with AASHTO M 194.
- ACI 201, Guide for Durable Concrete and ACI 302 Guide for Concrete Floor and Slab Construction prohibit the use of chlorides in many types of concrete. ACCELGUARD AcN 200 may be used in these types of concrete such as, floors over prestressed concrete or galvanized decking, floors containing two kinds of embedded metal, reinforced concrete in moist environments and/or exposed to chloride de-icing salts.

DIRECTIONS FOR USE

The typical dosage range for ACCELGUARD AcN 200 is 10 - 60 oz per 100 lbs (650 - 3910 mL/100kg) of cementitious material. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

ACCELGUARD AcN 200 should be added to the initial batch water of the concrete mixture. Do not dispense onto dry cement. For ambient temperatures below 50°F (10°C) follow ACI 306 Cold Weather Requirements.

PRECAUTIONS/LIMITATIONS

- ACCELGUARD AcN 200 will freeze at temperatures of approximately -15°F (-26°C). Freezing and thawing will not harm the material if thoroughly agitated.
- Do not use air for agitation.
- Keep concrete from freezing until a minimum of 1000 psi (7 MPa) is achieved.
- In all cases, consult the Safety Data Sheet before use.

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