

ACCELERATORS

Master Format #: 03 30 00 03 40 00

ACCELGUARD® STANDARD

CHLORIDE BASED ACCELERATING 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

2 years in original, unopened container

SPECIFICATION/COMPLIANCES

ASTM C494, Type C

AASHTO M194

HUD Minimum Property Standards
4901.1 Section 503.2

New York Board of Standards and
Appeals Calendar No. 714-72SM

DESCRIPTION

ACCELGUARD STANDARD is a chloride based, multi-purpose concrete admixture designed to accelerate the normal setting time of concrete. ACCELGUARD STANDARD improves the plastic and hardened properties of concrete such as workability, compressive and flexural strengths, and freeze-thaw resistance. ACCELGUARD STANDARD densifies concrete and reduces its permeability. ACCELGUARD STANDARD is compatible with water reducing agents and air-entraining agents but should be added separately to the concrete mix.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Reduces initial set time
- Cuts construction costs / no cold weather delays
- Densifies concrete
- Minimizes bleeding and segregation

PRIMARY APPLICATIONS

- General ready-mixed concrete
- Miscellaneous precast concrete
- Manufactured concrete products

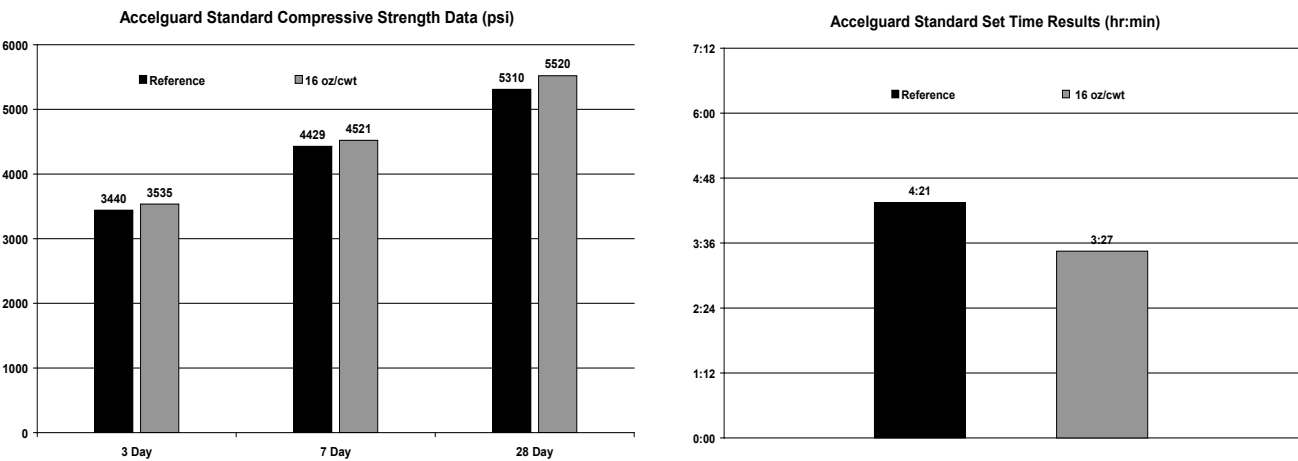
PRECAUTIONS/LIMITATIONS

- Prevent concrete from freezing until a minimum of 1000 psi (7 MPa) is achieved.
- ACCELGUARD STANDARD contains calcium chloride. **It is not recommended for use in prestressed, post-tensioned, or structural steel-reinforced concrete.**
- 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 of ACCELGUARD STANDARD.



DIRECTIONS FOR USE

The typical dosage range for ACCELGUARD STANDARD is 16 - 32 oz/100lbs (1040 - 2090 mL/100kg) of cementitious material. Higher dosages are acceptable with prior testing and confirmation of desired performance with specific materials being used.

ACCELGUARD STANDARD 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.

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