

## ACCELERATORS

Master Format #: 03 30 00 03 40 00

# ACCELGUARD® HE

CHLORIDE BASED ACCELERATING & WATER REDUCING ADMIXTURE



EUCLID CHEMICAL

## PRODUCT INFORMATION

### PACKAGING

Available 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 & E

AASHTO M194

## DESCRIPTION

ACCELGUARD HE is a water reducing and accelerating admixture for concrete. It improves plastic and hardened properties such as workability, compressive and flexural strengths. ACCELGUARD HE is a chloride based admixture and is compatible with air entraining agents, but should be added separately into the initial batch water of the concrete mixture.

## PRODUCT CHARACTERISTICS

### FEATURES & BENEFITS

- Reduces initial set
- Provides high early strength for fast form stripping
- Cuts construction cost / no cold weather delays
- Densifies concrete
- Minimizes bleeding and segregation

### PRIMARY APPLICATIONS

- Cold weather concreting
- Structural concrete
- Concrete block
- Concrete pipe and many precast items

## PRECAUTIONS/LIMITATIONS

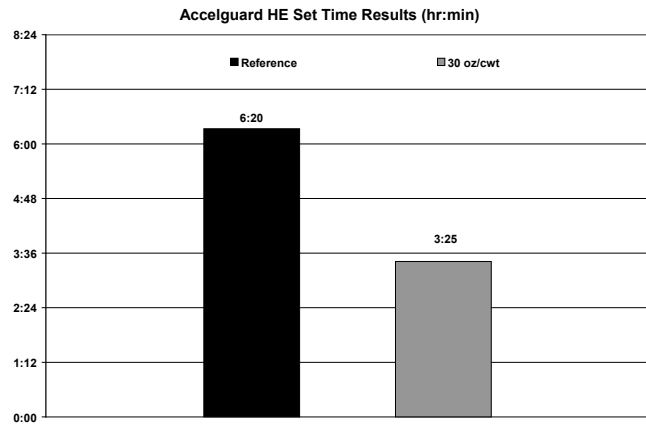
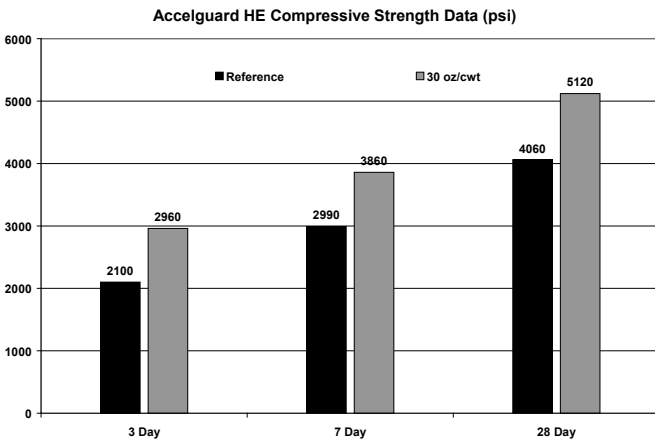
- Prevent concrete from freezing until a minimum of 1000 psi (7 MPa) is achieved.
- ACCELGUARD HE contains calcium chloride. **It is not recommended for use in prestressed, post-tensioned, or structural steel reinforced concrete.**
- In all cases, consult the Safety Data Sheet before use.

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## TECHNICAL INFORMATION

### PERFORMANCE DATA

The following test results were achieved using typical ASTM C494 mix design requirements, 517 lb/yd<sup>3</sup> (307 kg/m<sup>3</sup>) cement content and similar ( $\pm 0.5$ )% 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 HE.



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## DIRECTIONS FOR USE

The typical dosage range for ACCELGUARD HE is 12 - 32 oz/100lbs (780 - 2090 mL/100kg) of cementitious material. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

ACCELGUARD HE 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.

Rev. 03.23

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