

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

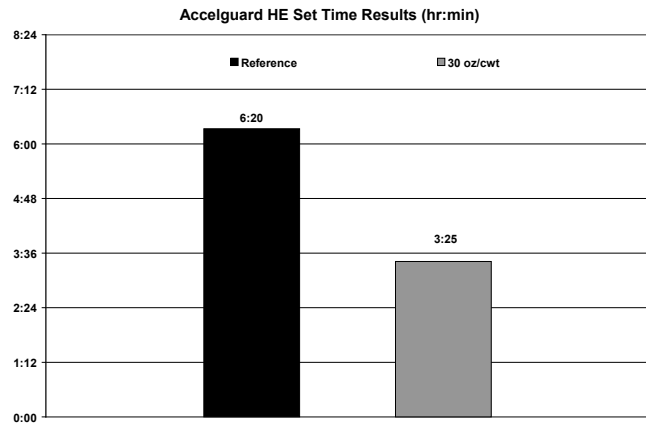
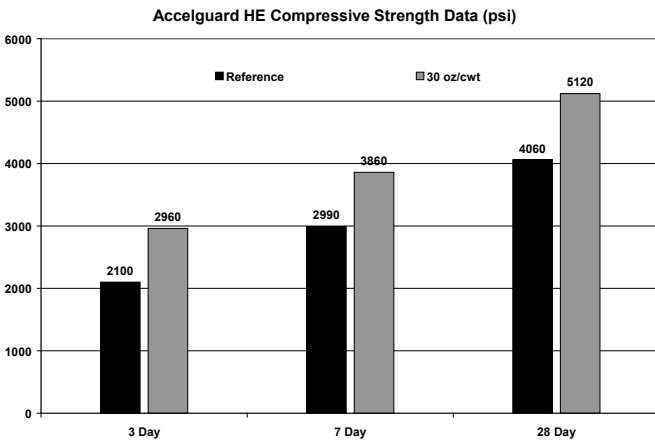
PRECAUTIONS/LIMITATIONS

- 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.

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 HE.



DIRECTIONS FOR USE

The typical dosage range for ACCELGUARD HE is 16 - 32 oz/100lbs (1040 - 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. 03.21

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.