



ACCELGUARD® HE

ACCELERATING & WATER REDUCING ADMIXTURE

EUCLID CHEMICAL

DESCRIPTION

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

PRIMARY APPLICATIONS

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

FEATURES/BENEFITS

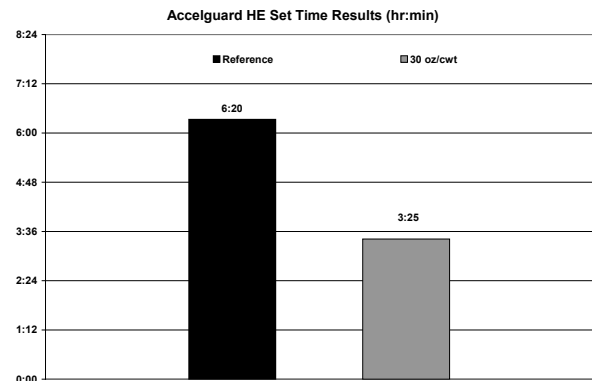
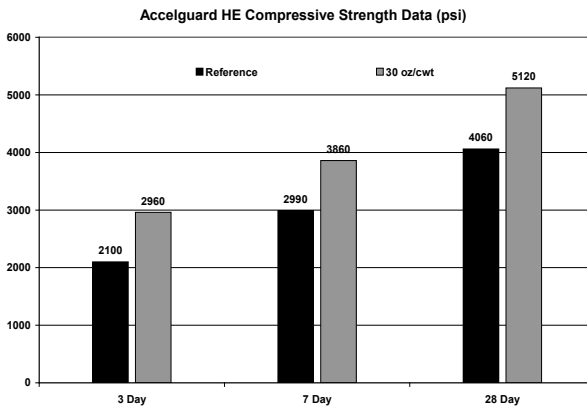
- Reduces initial set
- Provides high early strength for fast form stripping
- Cuts construction cost - no cold weather delays
- Densifies concrete
- Minimizes bleeding and segregation

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 HE.



PACKAGING

ACCELGUARD HE is 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.

SPECIFICATIONS/COMPLIANCES

- ASTM C 494, Type C & E admixture specifications
- AASHTO M 194

DIRECTIONS FOR USE

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

PRECAUTIONS/LIMITATIONS

- 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.

Rev. 11.14

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