



# ACCELGUARD® STANDARD

ACCELERATING ADMIXTURE FOR CONCRETE

EUCLID CHEMICAL

## 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.

## PRIMARY APPLICATIONS

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

## FEATURES/BENEFITS

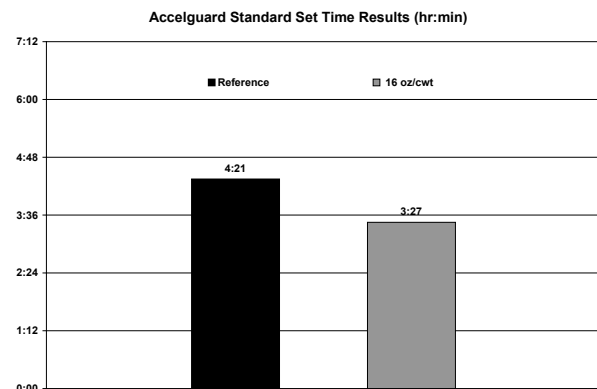
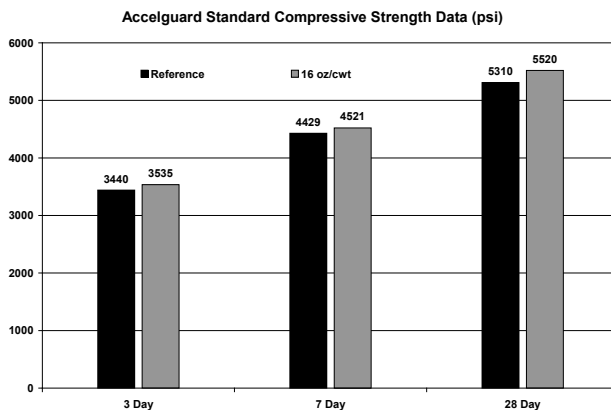
- Reduces initial set time
- Cuts construction costs-no cold weather delays
- Densifies concrete
- Minimizes bleeding and segregation

## TECHNICAL INFORMATION

### Performance Data

The following test results were achieved using typical ASTM C 494 mix design requirements, 517 lb/yd<sup>3</sup> (307 kg/m<sup>3</sup>) 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 STANDARD.



## PACKAGING

ACCELGUARD STANDARD 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 container.

## SPECIFICATIONS/COMPLIANCES

- Fully complies with ASTM C 494, Type C
- Fully complies with AASHTO M 194
- HUD Minimum Property Standards 4901.1 Section 503.2
- New York Board of Standards and Appeals Calendar No. 714-72SM

## DIRECTIONS FOR USE

The typical dosage range for ACCELGUARD STANDARD 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 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.

## 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.

Rev. 11.14

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