



THE EUCLID CHEMICAL COMPANY

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ACCELGUARD® STANDARD

ACCELERATOR FOR CONCRETE

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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

- Concrete blocks
- Concrete pipe
- Stepping stones
- Lintels
- Burial vaults
- General purpose ready mixed concrete
- Concrete block and mortar

FEATURES/BENEFITS

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

SPECIFICATIONS/COMPLIANCES

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

TECHNICAL INFORMATION

Typical Engineering Data

	Compressive Strength % of control	Flexural Strength % of control
3 days	131	111
7 days	125	111
28 days	114	111
6 months	106	---

Setting Time - Hours

	Control	ACCELGUARD
Initial	6:08	4:32
Final	7:48	6:00

Relative Durability 100% 102%

Shelf Life is 2 years in original, unopened package.

PACKAGING

ACCELGUARD STANDARD is packaged in bulk, 275 gal (1041 liter) totes, 55 gal (208 liter) drums and 5 gal (18.9 liter) pails.

DIRECTIONS FOR USE

Add ACCELGUARD STANDARD with water and aggregate to the ready mix concrete truck but do not dispense onto dry cement. When added at the jobsite, premix concrete load for at least 20 revolutions at proper mixing speed and then add the ACCELGUARD STANDARD. Continue mixing for balance of 70 to 100 revolutions according to AASHTO M-157. Concrete should be discharged from truck within one (1) hour.

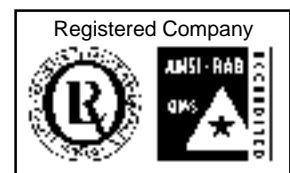
Material Requirements

ACCELGUARD STANDARD: for use in concrete at temperatures 32°F to 60°F (0°C to 16°C) add to concrete at the rate of 1 quart/100 lb cement (2000 ml/100 kg). For use in concrete block production at temperatures 32°F to 60°F (0°C to 16°C), dose at 6-16 oz/100 lb of cement (375-1000 ml/100 kg). Dosage may be increased or decreased depending upon acceleration needed in the field and other special job conditions. For temperatures below 32°F (0°C) heat aggregates, use warm water, and in all cases follow ACI-306 Cold Weather Requirements. For temperatures above 60°F (16°C), reduce to 1 pint/100 lb cement (1000 ml/100 kg) above quantities.

Note: ACCELGUARD STANDARD will reduce water requirements approximately 3 to 5%.

PRECAUTIONS/LIMITATIONS

- Do not dispense directly onto dry cement.
- Prevent concrete from freezing until a minimum of 1000 psi (7 MPa) is achieved.



Form Accelguard Standard-1.01

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