



ACCELGUARD® DSA

NON-CHLORIDE, WATER REDUCING ACCELERATOR

DESCRIPTION

ACCELGUARD DSA (Dynamic Strength Accelerator) is a non-chloride, water-reducing admixture for concrete specifically designed to address the fast-track construction needs of the concrete industry. At cooler temperatures, conventional accelerators reduce initial setting times. ACCELGUARD DSA will not accelerate initial setting characteristics significantly, but rather achieve high early compressive strengths. ACCELGUARD DSA is particularly effective where heat is present while curing, allowing earlier stripping of forms or restoring the servicibility of concrete repairs. This heat activated accelerator is compatible with Euclid Chemical air-entraining, dry-cast, and water reducing admixtures. ACCELGUARD DSA contains no added chlorides and will not promote the corrosion of steel.

PRIMARY APPLICATIONS

- Precast/prestressed
- Ready mix concrete
- Hot weather concreting
- Cold weather concreting
- Concrete repair
- Fast track construction

FEATURES/BENEFITS

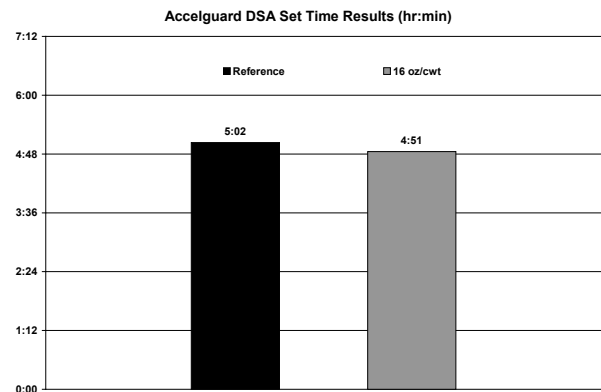
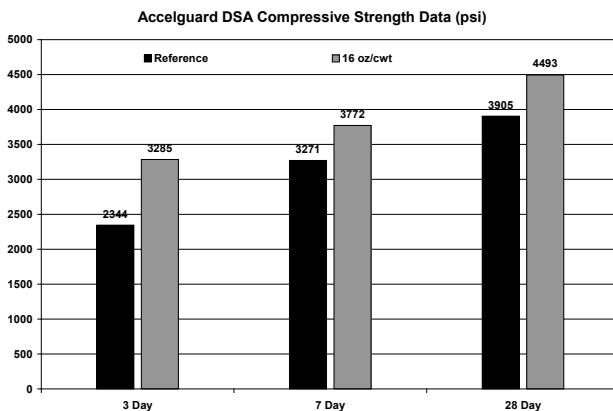
- Increases early strength development without sacrificing workability
- Reduces water demand
- Minimizes bleeding and segregation
- Replaces steam curing
- Quicker form turn-around
- The use of non-chloride admixtures will not promote corrosion of steel reinforcement of forms

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 DSA.



PACKAGING

ACCELGUARD DSA 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

- Complies with ASTM C 494, Type C and E
- Complies with AASHTO M 194

DIRECTIONS FOR USE

The typical dosage range for ACCELGUARD DSA is 8 - 48 oz per 100 lbs (520 - 3130 mL/100kg) of cementitious material. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

ACCELGUARD DSA 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 DSA will freeze at temperatures of approximately -4°F (-20°C). Freezing and thawing will not harm the material if thoroughly agitated.
- Do not use air for agitation.
- Dispense independently from other admixtures.
- In cold weather, always follow ACI 306 - Standard Specification for Cold Weather Concreting.
- In all cases, consult the Safety Data Sheet before use.

Rev. 11.14

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