



EUCLID CHEMICAL

ACCELGUARD[®] SET-SPEED

POWDERED, NON-CHLORIDE, ACCELERATING ADMIXTURE

ACCELERATORS

DESCRIPTION

ACCELGUARD SET-SPEED is a powdered accelerating admixture intended for use with cementitious based materials. ACCELGUARD SET-SPEED does not contain calcium chloride or added chloride ions. ACCELGUARD SET-SPEED improves the properties of plastic and hardened concrete, with significant improvements in early strength gain and setting characteristics, improved workability and decreased bleeding and segregation. ACCELGUARD SET-SPEED works well at all temperatures but has shown most benefit in the 35°F to 50°F (2°C to 10°C).

PRIMARY APPLICATIONS

- Cold weather conditions
- Underground construction
- Precast and post tensioned concrete
- Ready Mix concrete
- Cementitious materials

FEATURES/BENEFITS

- Reduces initial set 1 to 4 hours depending on concrete temperatures
- Improves workability and provides denser concrete
- Minimizes bleeding and segregation
- Improves compressive strength development at early ages
- Can be site added for unanticipated conditions
- Convenient packaging for hassle-free addition

TECHNICAL INFORMATION

ACCELGUARD SET-SPEED is packaged and formulated to achieve a wide range of performance with various types of cementitious mixtures under various ambient conditions. Under 'normal' conditions at 50°F (10°C) using Type I cement and 517 lb/yd³ (306 kg/m³) concrete mixture, 1 bag of ACCELGUARD SET-SPEED per yard of concrete will typically accelerate the initial setting of concrete by approximately 1 hour.

SHELF LIFE

1 year in original, unopened container.

PACKAGING

ACCELGUARD SET-SPEED is packaged in 5 gal. pails containing (15) 2 lb (0.9 kg) dissolvable inner bags.

SPECIFICATIONS/COMPLIANCES

- Not Applicable

ACCELGUARD[®] SET-SPEED

DIRECTIONS FOR USE

1 bag of **ACCELGUARD SET-SPEED** is typically used per cubic yard of concrete or 517 lbs (306 kg) of cementitious material to achieve approximately 1 hour of acceleration. Performance will vary depending on materials, ambient conditions and additional admixtures contained in the mix. Dosage can be increased to deliver faster setting or to offset slower setting in lower ambient temperatures. Each 2 lb (0.9 kg) package is double bagged. Remove the outer bag and add the entire inner-soluble ACCELGUARD SET-SPEED bag and contents to the plastic/wet concrete. The entire inner bag will easily dissolve. Thoroughly mix at high speed for a minimum of 5 minutes.

ACCELGUARD SET-SPEED is compatible with most admixtures including air-entraining agents, accelerators, most water-reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, and microsilica; however, each material should be added to the concrete separately.

PRECAUTIONS/LIMITATIONS

- Keep concrete from freezing until a minimum of 1000 psi (7 MPa) is achieved.
- Keep unused bags in sealed container until ready to use.
- In all cases, consult the Safety Data Sheet before use.

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