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ACCELGUARD 80

Non-Chloride, Accelerating Water Reducing Admixture

ACCELGUARD 80 is an accelerating, water-reducing admixture for concrete that does not contain calcium chloride. It improves properties of plastic and hardened concrete, provides a significant improvement in early stiffening and setting characteristics, improved workability and decreased bleeding and segregation. This admixture is compatible with air-entraining admixtures, HRWR admixtures (super plasticizers), and conventional water reducing admixtures.

PRIMARY APPLICATIONS

- Cold weather concreting
- Concrete block and mortar

FEATURES AND BENEFITS

- Reduces initial set 1-4 hours depending on concrete temperatures
- Improves workability and provides denser concrete
- Minimizes bleeding and segregation
- Improves compressive strength development at early ages
- Increases protection for reinforcement in concrete

SPECIFICATIONS / COMPLIANCES

- Formulated to comply with ASTM C-494, Type C and E admixture
- Formulated to comply with AASHTO M-194
- ACI 201, Guide for Durable Concrete and ACI 302 Guide for Concrete Floor and Slab Construction prohibit the use of chlorides in many types of concrete such as, floors over prestressed concrete or galvanized decking, floors containing two kinds of embedded metal, reinforced concrete in moist environments and/or exposed to chloride deicing salts

PRECAUTIONS / LIMITATIONS

- ACCELGUARD 80 will freeze at temperatures of approximately -15°F. Freezing and thawing will not harm the material if thoroughly agitated.
- Keep mortar from freezing until a minimum of 1000 psi is achieved.

PACKAGING AND COVERAGE
 5 gallon pails — 55 gallon drums
COVERAGE: 16-32 oz. per hundred lbs. of cement
 With the exception of concrete block production, as quantity is increased, setting time increases.

TECHNICAL INFORMATION		
Typical Engineering Data		
Concrete Temperature	50°F*	35°F*
Air Temperature	40°F	24°F
Cement	564 lb/yd ³	564 lb/yd ³
ACCELGUARD 80	16 oz/cwt	24 oz/cwt
Slump	4.5"	2.75"
Air	3.2%	1.8%
Average 3 Day Compressive Strength	2,825 psi	1,478 psi
Average 7 Day Compressive Strength	4,138 psi	3,257 psi
Average 28 Day Compressive Strength	5,371 psi	5,229 psi
Initial Set	5 hrs. 48 min.	7 hrs. 46 min.
*Average concrete temperature at or during the test		
Shelf Life: 2 years in original, unopened package		

MASONRY

