



# ACCELGUARD 80 - IN

NON-CHLORIDE ,ACCELERATING & WATER REDUCING ADMIXTURE

**EUCLID CHEMICAL**

## DESCRIPTION

ACCELGUARD 80 – IN is an accelerating and 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. ACCELGUARD 80 - IN is effective at all temperatures but is particularly effective above 10°C.

## PRIMARY APPLICATIONS

- Cold weather concreting
- Concrete block and mortar
- Structural and plain concrete
- Precast and post tensioned concrete

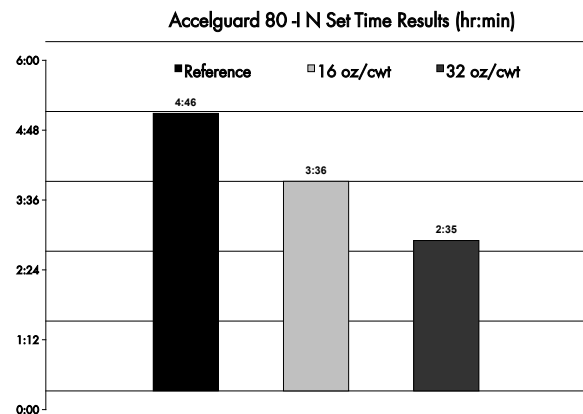
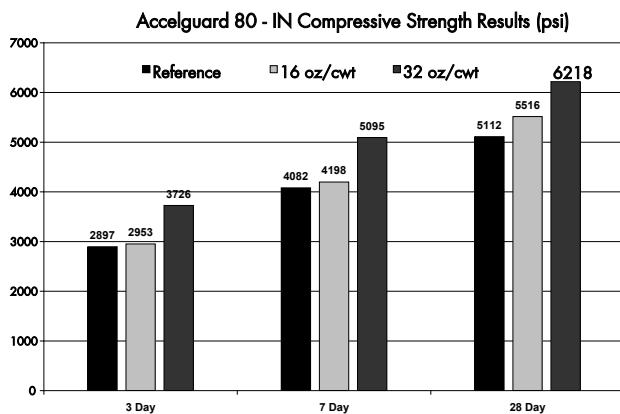
## FEATURES/BENEFITS

- 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
- Decreases overtime allowing earlier finishing
- Increases protection for reinforcement in concrete

## TECHNICAL INFORMATION

### Performance Data

The following test results were achieved using typical ASTM C 494 mix design requirements, 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 80 – IN



SET ACCELERATORS

ACCELGUARD 80 - IN

Rev.01, 04/20

## PACKAGING

ACCELGUARD 80 - IN is packaged in 250 kg HDPE drums and 20 kg HDPE pails.

## SHELF LIFE

1 year in original, unopened package.

## SPECIFICATIONS/COMPLIANCES

- Fully complies with ASTM C 494, Type C and E admixture specifications
- Fully complies with AASHTO M 194

ACCELGUARD 80 - IN may be used in these 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.

## DIRECTIONS FOR USE

- The typical dosage range for ACCELGUARD 80-IN is 300 - 2000 ml / 50 kg of cementitious material.
- Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.
- ACCELGUARD 80 – IN should be added to the initial batch water of the concrete mixture.
- Do not dispense onto dry cement. For ambient temperatures below 10 C follow ACI 306 Cold Weather Requirements.

## PRECAUTIONS/LIMITATIONS

- ACCELGUARD 80-IN will freeze at temperatures of approximately -26°C. Freezing and thawing will not harm the material if thoroughly agitated.
- Do not use air for agitation.
- Do not dispense directly onto dry cement.
- In all cases, refer the Safety Data Sheet before use.