ACCELGUARD® 80
NON-CHLORIDE, ACCELERATING & WATER REDUCING ADMIXTURE

DESCRIPTION

ACCELGUARD 80 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 is effective at all temperatures but is particularly effective above 50°F (10°C).

PRIMARY APPLICATIONS

- Cold weather concreting
- Structural and plain concrete
- Concrete block and mortar
- 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

Typical Engineering Data

This data was generated in a lab setting using standard ASTM C 494 mix design. Actual results will vary due to materials and temperatures.

<table>
<thead>
<tr>
<th>Hours</th>
<th>0:00</th>
<th>0:28</th>
<th>0:57</th>
<th>1:26</th>
<th>1:55</th>
<th>2:24</th>
<th>2:52</th>
<th>3:21</th>
<th>3:50</th>
<th>4:19</th>
<th>4:48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting Times</td>
<td>Reference</td>
<td>12 oz/cwt (782 mls/100 kg)</td>
<td>24 oz/cwt (1565 mls/100 kg)</td>
<td></td>
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</tbody>
</table>

PACKAGING

ACCELGUARD 80 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 package.

SPECIFICATIONS/COMPLIANCES

- Fully complies with ASTM C 494, Type C and E admixture specifications
- Fully complies 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. ACCELGUARD 80 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
- ANSI/NSF STD 61 registered
WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.

**Directions for Use**

For use in concrete add ACCELGUARD 80, with water and aggregate, to the ready mix concrete truck, but do not dispense onto dry cement. For temperatures 32°F to 60°F (0°C to 16°C), add to concrete at a typical dosage rate of 12 to 32 oz/100 lb of cement (782 to 2086 ml/100 kg), depending upon the desired rate of acceleration, early strength gain, stripping schedule, etc. When air temperatures are below 50°F (10°C) follow ACI 306, “Recommended Practice for Cold Weather Concreting”. For temperatures above 60°F (16°C) ACCELGUARD 80 dosage may be reduced. For information regarding freeze resistant concrete, please contact your local Euclid Chemical sales representative. The Euclid Chemical Company recommends the contractor follow typical cold weather concrete practices.

**Clean-Up**

Clean tools and equipment with water before concrete hardens.

**Precautions/Limitations**

- ACCELGUARD 80 will freeze at temperatures of approximately -15°F (-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.
- Do not use ACCELGUARD 80 with Chemcomp Cement or other modified cements without consulting The Euclid Chemical Company.
- Keep concrete from freezing until a minimum of 500 psi (3.5 MPa) is achieved.
- In all cases, consult the Material Safety Data Sheet before use.