



ACCELGUARD® BK-80

NON-CHLORIDE ACCELERATOR FOR MANUFACTURED CONCRETE PRODUCTS

DESCRIPTION

ACCELGUARD BK-80 is a ready to use liquid accelerating admixture that does not contain calcium chloride or added chloride ions. It improves both plastic and hardened concrete properties, and significantly increases the rate of stiffening, setting, and early strength development. ACCELGUARD BK-80 is compatible with EUCON plasticizing, efflorescence controlling, and integral water repellent admixtures.

PRIMARY APPLICATIONS

- Concrete masonry
- Concrete pavers/slabs
- Segmental retaining wall units
- Extruded hollow-core plank
- Concrete pipe

FEATURES/BENEFITS

- Increases early strength gain
- Improves workability and density
- Improves dimensional stability (green strength)
- Reduces chipping and breakage during handling

TECHNICAL INFORMATION

Physical Properties

Specific Gravity 1.40
 Freeze Point -4°F (-20°C)
 Color Light Brown

Performance

The units tested were 8" lightweight block and results were based on averaging 3 specimens.

	<u>Control Mix</u>	<u>ACCELGUARD BK-80</u>
Dose	N/A	8 oz/cwt (522 mL/100kg)
Wt. of Unit	26.9 lbs (12.2 kg)	26.8 lbs (12.1 kg)
Compressive Strengths, psi (MPa):		
1 day	1000 (7 MPa)	1100 (8 MPa)
7 day	1300 (9 MPa)	1450 (10 MPa)
28 day	1680 (12 MPa)	1920 (13 MPa)

PACKAGING

ACCELGUARD BK-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.

DIRECTIONS FOR USE

ACCELGUARD BK-80 is intended for use at a rate of 8 to 24 oz per 100 lbs (520 to 1565 ml/100kg) of cementitious materials.

ACCELGUARD BK-80 should be added to the mix. after the cement has been wetted, then mixed adequately (as needed based on mixer type)

PRECAUTIONS/LIMITATIONS

- Protect from freezing. If frozen, ACCELGUARD BK-80 can be reconstituted by mechanical means.
- Do not use air for agitation.
- Do not dispense directly onto dry cement.
- Consult your local Euclid Chemical representative to optimize dosage.
- In all cases, consult the Safety Data Sheet before use.

Rev. 11.14

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