



# ACCELGUARD G3 - IN

NON-CHLORIDE, ACCELERATING & WATER REDUCING ADMIXTURE

## DESCRIPTION

ACCELGUARD G3- IN is a ready to use accelerating, water reducing liquid admixture for concrete that does not contain calcium chloride or added chloride ions. It increases early strength at low temperatures and is especially effective in extremely cold temperatures as low as  $-7^{\circ}\text{C}$  using a cold weather admixture system. ACCELGUARD G3-IN also will increase workability of the concrete and reduces bleeding and segregation. This product is compatible with most other admixtures commonly used in conventional concrete although testing is recommended when using in conjunction with admixtures that contain naphthalene. ACCELGUARD G3-IN is effective in concrete of any temperature, it is particularly effective in freeze-resistant concrete admixture systems.

## PRIMARY APPLICATIONS

- Cold weather concrete
- Structural and plain concrete
- Precast and Post-tensioned concrete
- Architectural concrete
- Mining and underground concrete
- Shotcrete Applications

## FEATURES/BENEFITS

- Reduces initial and final set
- Improves early age compressive strength

## TECHNICAL INFORMATION

PROPERTY	VALUE
Appearance	Light brown color liquid
Specific Gravity@ 27°C	1.03± 0.02
pH	Minimum 6.00
Chloride Content	< 0.2%

Compatible with all cement types like OPC, OPC + Fly Ash, PSC etc.

## PACKAGING

ACCELGUARD G3- IN is available in 200 Kgs HDPE drums.

## SHELF LIFE

1 year in original, unopened container.

## COVERAGE

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

## DIRECTIONS FOR USE

- The dosage range for ACCELGUARD G3- IN is 350 to 2000 ml /50 kg cement bag of cementitious material.
- Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.
- ACCELGUARD G3-IN should be introduced into initial mix water but never directly on dry cement. Mix thoroughly as needed for a given mixer type.

## PRECAUTIONS/LIMITATIONS

- Protect concrete from freezing until a minimum of 7 MPa is achieved.
- ACCELGUARD G3- IN will freeze at temperatures of approximately -26<sup>o</sup> C. Freezing and thawing will not harm the material if thoroughly agitated. .
- In all cases, refer the Safety Data Sheet before use.