

ARMOR RETARDER 100

**WATER REDUCING AND RETARDING,
PLASTICIZING ADMIXTURE**

PRODUCT DESCRIPTION

ARMOR Retarder 100 is an SNF based water reducing and set time retarding admixture for concrete. ARMOR Retarder 100 does not contain calcium chloride and other corroding materials. ARMOR Retarder 100 is a blend of polymer based plasticizer and proprietary retarding agent. The chemical process of ARMOR Retarder 100 when activated temporarily stops the hydration process, delaying the initial setting time in proportion to the amount of dosing. At the completion of the initial setting time, curing commences at a regulated rate.

FEATURES

ARMOR Retarder 100 offers the following advantages and benefits:

- Retards setting characteristics
- Improves workability
- Reduces water requirements
- Reduce Segregation
- Increases strength
- Reduces permeability
- Reduce cracking
- Improves finish appearance

USES

ARMOR Retarder 100 is typically used to produce:

- Pre stressed Concrete
- Concrete requiring water reduction and set time control
- Hot weather concrete placement
- Ready mixed concrete requiring long travel time from plant to site
- Ready-mixed concrete.
- Pumped concrete.

TECHNICAL INFORMATION

ARMOR Retarder 100 meets the requirements of the following standards:

- ASTM C 494, Type D

PACKAGING

ARMOR Retarder 100 is packaged in 25 litres keg, 210 litres drum and 1000 litres tank

COLOUR AND APPEARANCE

Brown Liquid

CONSUMPTION AND DIRECTION FOR USE

Typical dosage would be 1 - 2% of cement content depending on the intended duration for extending set time. Note that the actual dosage for any situation would depend on trial mixes, the initial extension of the required set time, temperature and cement type.

Shelf life

Shelf life is 12 months in an unopened pack

OVERDOSING

An overdose of ARMORSIL Retarder may result depending on the degree, in an increase of workability and extension of setting time. Overdosing will not affect long term strength development. Overdosed concrete must be protected against direct sun light and water evaporation.



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HEALTH AND SAFETY INFORMATION

For information on handling and safety please refer to the safety datasheet. All technical data stated in this product datasheets are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control

LIMITED WARRANTY

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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