

ARMORSIL RETARDER

Water Reducing and Retarding Admixture

Product Description:

ARMORSIL Retarder is water reducing and set retarding admixture for concrete. ARMORSIL Retarder does not contain calcium chloride and other corroding materials. ARMORSIL Retarder temporarily stops the hydration process, delaying the initial setting time in proportion to the amount of dosaging. At the completion of the initial setting time, curing commence at an accelerated rate.

Primary Uses:

ARMORSIL Retarder is typically used to produce:

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

Features And Benefits:

ARMORSIL Retarder 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

Technical Information:

ARMORSIL Retarder meets the requirements of the following standards:

- ASTM C 494, Type B & D
- AASHTO M 194

Packaging:

ARMORSIL Retarder is packaged in 20 litres drum and 200 litres drum. Bulk supply in delivery trucks can be arranged on demand.

Colour and Appearance:

Brown Liquid

Consumption and Direction for Use:

Typical dosage would be between 0.5 % to 3% 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.

Self-Life:

Shelf life is one year 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.

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.



ARMORSIL MANUFACTURING INCORPORATION

Sede legale: VIA Montello 48,INT #3 Pordenone, Italy. 33170. Tel: + 30256365-16

www.armorsil.com, info@armorsil.com, sales@armorsil.com

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.

Armorsil Manufacturing supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. Armorsil Manufacturing does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to Armorsil Manufacturing in writing within seven working days of being detected.

Armorsil Manufacturing. Makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied. Neither seller nor Armorsil Manufacturing shall be liable to the buyer or any third person for any injury, loss or damages of any sort including remote or consequential damages, down time, or delay directly or indirectly resulting from use of or inability to use the product. . The information contained in the latest data sheet supersedes all previously published editions. Visits to site by Armorsil personnel do not constitute supervisory responsibility. Armorsil reserves the right to alter the information contained in this datasheet without prior notice