

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
- Readymix 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.



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