ARMORSIL
We Provide Armor for Building Structures

ARMORLATEX

NEXT GENERATION ACRYLIC POLYMER LATEX FOR BONDING AND WATERPROOFING

PRODUCT DESCRIPTION

ARMORLATEX is a next generation Styrene acrylic polymer latex admixture that is designed as an integral adhesive for cement, bond coats, mortar and concrete to improve bond strength, compressive strength, chemical resistance and waterproofing properties.

ARMORLATEX is designed for modification of cement in a wide range of applications such as industrial cement floors, patching and resurfacing, floor underlay, terrazzo flooring, spray and fill coats, pre -cast architectural building panels, cement slurries and highway and bridge deck repair.

ARMORLATEX has an excellent stability against cement and provides excellent adhesion to various substrates such as concrete, masonry, brick, wood, metals, and others. Cement modified with

ARMORLATEX shows superior flexural and impact strength, as well as excellent abrasion resistance compared to unmodified cement. Cement mortars prepared with ARMORLATEX have increased resistance to many industrial chemicals and improved resistance to water, ultraviolet light and heat.

TYPICAL APPLICATION AREA

- As a bonding for old and new concrete, mortar and screed
- For Waterproofing of basements, roof slabs, water tank.
- Concrete repairs and Patching
- Floor screed and toppings
- External rendering
- Waterproofing and tanking
- Production of water resistant adhesives for brick slips, tiles, artificial stone, kerbs, copings, etc.
- Industrial floors and screeds.

TYPICAL APPLICATION AREA

- Helps to improve the waterproofing properties of concrete and mortar
- Improves Flexural and tensile strength of concrete and mortar.
- Improves the weather resistance of concrete and mortar, by reducing the impact of
- chloride and other agents
- It is simple and easy to use and helps to achieve low water cement ratio
- Improve corrosion protection
- Helps to control the hydration process of concrete and mortar and therefore reduce the
- Incidence of cracks
- Proven Performance and versatility of Usage

PRODUCT APPLICATION

Consumption

Application	Application Area	Dilution in Water	Consumption of ARMORLATEX at Recommended dilutions
Concrete and Mortar Bond Coat	Adhesive for binding old and new concrete and Mortar	1:4	0.070 kg/sqm per coat (1kg diluted Armorlatex approximately covers 7-8 sqm in two coats system .Note that substrate condition may affect coverage
Polymer Mortar and Screed (1Cement:4 Sand)	Polymer Repair Mortar and Screed	1:6	0.035 kg/sqm/mm thickness at Water: Powder ratio of 0.5 (½ inch mortar requires approx 0.44 kg diluted ARMORLATEX)
Waterproof Slurry Coating	waterproof Coating on basement, roof, terrace etc	1:6	0.070 kg/sqm per coat (1kg diluted Armorlatex approximately covers 7-8 sqm in two coats system. Note that substrate condition may affect coverage

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Admixture for Concrete Mortar and Screed	Admixture for concrete and mortar to increase compressive and flexural strength and waterproofing properties	1:6-8	10% by weight of cement at water:cement Ratio of 0.5
Crack Filler (CC or White cement) 1;1	Crack filling , hole filling etc.	1:1	0.015 kg/sqm /mm thickness at Water:Powder ratio of 0.5

Surface Preparations Procedures

All surfaces must be clean and structurally sound. Oil and grease must be removed. For best results the surface of the concrete should be mechanically scarified or scrabbled, although other methods including sandblasting may be employed.

Bonding and Waterproofing

Before application of ARMORLATEX as bond coat, waterproofing coat etc., surface condition must be saturated Surface dry (SSD). Two coats should be applied ideally at right angles to one another. The second
coat to be applied immediately after the first coat has dried, approximately 30 minutes. Thickness of each
coat should be averagely 1.5mm .Mixing instruction is as contained in the table above.

Armorlatex as Additive

ARMORLATEX has excellent plasticizing properties therefore improves the workability of concrete, mortar
and plaster. Its increases the compressive and flexural strength and significantly increase the waterproofing
properties of concrete, mortar and screed. Instruction for mixing is as contained in the table above

TECHNICAL DATA

Chemical type	Acrylic cement modifiers
Appearance	Low viscous white liquid
PH	7-9
Specific gravity	1.02g/cm3 ± 0.01
Shelf life	12 months, store in a cool dry place.
Standard	BS: 6319 @ 25 days strength

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 e x p r e s s e d 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.

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