

# ARMOR SUPER LATEX

## NEXT GENERATION ACRYLIC POLYMER LATEX FOR BONDING AND WATERPROOFING

### PRODUCT DESCRIPTION

ARMOR SUPER LATEX 100 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.

ARMOR SUPER LATEX 100 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.

ARMOR SUPER LATEX 100 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 ARMOR SUPER LATEX 100 shows superior flexural and impact strength, as well as excellent abrasion resistance compared to unmodified cement. Cement mortars prepared with ARMOR SUPER LATEX 100 have increased resistance to many industrial chemicals and improved resistance to water, ultraviolet light and heat.

### ADVANTAGES AND BENEFITS

- 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

### PRIMARY USES

ARMOR SUPER LATEX 100 can be used in the following areas:

- 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.

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### CONSUMPTION

Application	Application Area	Dilution in Water	Consumption of ARMOR SUPERLATEX 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 Armor Super® Latex 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 ARMOR SUPER LATEX)
Waterproof Slurry Coating	Waterproof Coating on basement, roof, terrace etc		0.070 kg/sqm per coat (1kg diluted Armor Super® Latex approximately covers 7-8 sqm in two coats system. Note that substrate condition may affect coverage
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 scabbled, although other methods including sandblasting may be employed.

### Bonding and Waterproofing

Before application of ARMOR Super Latex 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

### Armor Superlatex as Additive

ARMOR Super Latex 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



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CONCRETE REPAIR & BONDING AGENT

### TECHNICAL DATA

Chemical type	Acrylic cement modifier
Appearance	Milky white liquid
Solubility	Disposable in water
Specific gravity	1.0 to 1.2
Shelf life	12 months, store in a cool dry place.
Curvy time	28days

### HEALTH AND SAFETY

ARMOR Super Latex does not present any undue hazard and is non-toxic. The normal standards of hygiene should be observed and any material should be washed from the skin with water before it dries.

### 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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