



Let's Build GREEN

AN ISO 9001:2015 CERTIFIED COMPANY

## MAP - LATEX

Modified Styrene Butadiene Latex for Water-proofing & Repairs

### Description

MAP-LATEX is a milky white latex based on a modified styrene butadiene copolymer emulsion. The resulting product is a waterproofing and bonding admixture. MAPLATEX can be mixed with cements, sand-cement mortars and concretes. The mixes produced give high bond strength to existing concrete, masonry and reinforcing steel. Weather resistance is improved due to reduced permeability and thinner sections may be applied due to improved flexural and tensile strengths. Additional improved properties include abrasion resistance, freeze thaw resistance and chemical resistance. MAP-LATEX is suitable for both internal and external use.

### Uses

To produce waterproof sand cement mortars, screeds, concrete and renders or to improve application of mortars by making them more cohesive and workable. To minimize permeability and increase the waterproofing properties of concrete and cement sand mortars for critical applications like roof slabs and screeds, basements, internal and external plastering, bathroom floors, water tanks, sumps, drains etc.

### Advantages

- Universal bonding agent.
- Easy to apply, easy miscibility and compatible with all common hydraulic cements.
- Excellent water resistance Provides waterproof screeds, plasters and permeability slurries.
- Excellent flexibility, good adhesion. Provides excellent bond to concrete, adhesion plaster, masonry, stone work, etc.
- Improved tensile and flexural strength allow thin applications. Safe, Non - Toxic, Non - Flammable.

### Instruction For Use

#### Surface Preparation

All surfaces to be treated must be sound and free from dust, dirt, oil, greases and other contaminants. All surfaces should be thoroughly washed with clean water & allowed to dry.

#### Application

Apply passivator coat: 1-part cement and 1-part MAP-LATEX coat on cleaned reinforcement and allow it to dry for 2-3 hours. MAP-LATEX is a ready to use bonding agent and is simply applied dry brush on the surface. MAP-LATEX can be used with cement in the ratio of 1:2 and can be mixed in gauging water of cement mortar for ability of mortar.

Waterproofing & Admixture

### Typical Properties & Specifications:

Typical mechanical properties of 1:3 cement sand mortar at W/C - 0.45 for control and W/C - 0.35 for mortar containing **MAP-LATEX** (5 litres/50kg cement).

| Sr.No | COMPRESSIVE STRENGTH (N/mm <sup>2</sup> )       | CONTROL | MAP-LATEX |
|-------|---|---------|-----------|
| 1     | 3 Days  | 11.5    | 13.0      |
| 2     | 7 days  | 13.0    | 14.8      |
| 3     | 8 days  | 22.0    | 24.5      |
| 4     | Tensile Strength (N/mm <sup>2</sup> ) @28 days  | 2.5     | 3.8       |
| 5     | Flexural Strength (N/mm <sup>2</sup> ) @28 days | 5.0     | 6.6       |

Water Vapour Permeability: Less than 4gm/m<sup>2</sup>/24 hrs.

Chemical Resistance: Resists mild acids, alkalis, sulphates, chlorides, urine, dung, Lactic acid, sugar, etc.

Shrinkage During Cure: 0.01% to 0.02%.

### Additional Guidance

Prepare surfaces thoroughly. Toe-in at edges wherever possible to avoid feather edging. All surfaces including edges must be primed. All applications should be wet on wet, the primer must not be allowed to dry. The level of added water in the mix designs may need adjustment to achieve the required consistency. In general water content should be kept to the minimum necessary for consistent performance the use of clean, dry sand is recommended. Where wet sand is used, reduce the addition of water as appropriate.

### Cleaning

Tools should be cleaned immediately after use with clean water.

### Coverage & Packing

Packing: MAP-LATEX is supplied in 200ml, 1, 5, 10, 50 & 100 litre containers.

Concrete repairs: MAP-LATEX should be use 200 ml/50 kg. of cement.

Bonding agent: MAP-LATEX has coverage of approx. 6-8 m<sup>2</sup>/litre depending on surface condition.





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#### Shelf Life & Storage

MAP-LATE X has a shelf life of 12 months from date of manufacture when kept at a temperature between 5° C to 45° C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

#### Health & Safety

MAP-LATEX Liquid should not come into contact with skin, eyes or be swallowed. Protective glasses should be worn during mixing and application. Should MAP-LATEX come into contact with skin, remove before hardening by washing with soap and water. Should accidental eye contact occur wash with plenty of water and seek medical advice. If swallowed seek medical advice immediately. Do not induce vomiting. For full health and safety data refer to Product Safety Data Sheet.

#### Quality Assurance

MAP PRODUCTS PVT. LTD is a firm of Assessed Capability. The company conform to the standard quality system.

Waterproofing & Admixture

#### Non Warranty

The information herein is based upon the best information available at the time of printing. Data provided is intended for those having skill and ability to use products recommended in a safe and responsible manner. LIABILITY is limited to the cost of material proven to be defective. There is no warranty expressed or implied as related to any issue which is deemed to be a direct result of improper acts of others or acts of GOD, constant submersion in harsh environments, workmanship or applicator, or any other cause and effect which is not related to defective material.

#### OUR RANGE OF PRODUCTS



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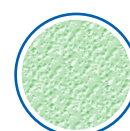
CURING COMPOUND & MOULD RELEASE AGENT



SEALANTS



PROTECTIVE & DECORATIVE COATING



ADHESIVE & BONDING AGENT

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