



STRUCO LATEX

**ALL PURPOSE WATERPROOFING, BONDING COMPOUND AND FOR
POLYMER MODIFIED CONCRETE**

DESCRIPTION

STRUCO LATEX is a single component, anti-damp S.B.R. Polymer, which can be added to any cementitious formulation, to achieve bonding, waterproofing and reduces permeability.

USES

STRUCO LATEX is versatile product which can be mixed with cement slurry, mortar, concrete or grout, as per recommended dosage in each case. Masons enjoy using it as an additive to repair mortars and renderings, to arrest rebound loss, due to its thixotropic properties. An excellent remedy against rising dampness, salt-petre and damp walls, when used as a plaster additive.

| APPLICATION | ADVANTAGE |
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| <p>1. IN CEMENT SLURRY :</p> <p>Dilute 100 gms. STRUCO LATEX with 400 gms of clean water. Pour 1 kg cement to this milky solution and keep mixing till it forms a uniform slurry. This slurry will cover about 2 m² and it will form an excellent bond coat, on which an overcoat can be applied, while the bond coat is tacky.</p> <p>2. IN A MORTAR/RENDER</p> <p>STRUCO LATEX can be diluted with water in the ratio of 1 : 2 to 1 : 10, depending on the severeness of the water seepage. On adding this to a cement : sand mixture, the mortar becomes creamy and user-friendly. Masons enjoy using these mortars, as speed of plastering also increases. When using standard 1 : 4 or 1 : 6 cement : sand mortars, the recommended dosage figures are mentioned in the Table below.</p> | <ul style="list-style-type: none"> * Provides excellent bond between mother substrate and overcoats.. * Seals off pores and minor aberrations.. * Makes substrate resistant to moisture permeability. * Increase the yield of mortars. * Makes mortar creamy.. * Reduces rebound loss for overhead and vertical applications.. * Increases the workability without increasing water. * Arrests saltpetre action. * Arrests ingress of ground water by capillary action. * Bonds sub base with DPC * Prevent shrinkage cracks. |

FEATURES

STRUCO LATEX gives the users, the following benefits:

- * Strong Waterproofing Property.
- * Drastically reduces permeability.
- * Improves tensile and flexural properties.
- * Enhances adhesive bond strength with substrates.
- * Compatible with all hydraulic cements.
- * Can be diluted with water to suit specific needs.
- * Easy to use.

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Recommended Consumption Figures of **STRUCO LATEX** in Cement : Sand Mortar

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|--|---|----------|-----|-----|-----|-----|------|
| LATEX | : | WATER | 1:2 | 1:4 | 1:6 | 1:8 | 1:10 |
| WATER | : | CEMENT | 1:2 | 1:2 | 1:2 | 1:2 | 1:2 |
| CEMENT STRUCO LATEX (gms/mm/sq.mtr.) | : | SAND=1:4 | 75 | 50 | 35 | 28 | 25 |
| CEMENT STRUCO LATEX (gms/mm/sq.mtr.) | : | SAND=1:6 | 60 | 40 | 30 | 25 | 20 |

In case aggregates are used in cement : sand mortars, the particle size should not exceed one-third of the thickness of mortars.

| APPLICATION | ADVANTAGES |
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| <p>3. AS A PUTTY FOR JOINTS :</p> <p>Mix STRUCO LATEX with water in the ratio 1:1 to form liquid A. Mix one part cement to three parts of sand to form powder B. Mix A:B in the ratio 1:8 to form a mortar of putty consistency, for application in joints. Apply putty in SSD condition after proper nosing of joints; cure for 28 days.</p> | <ul style="list-style-type: none"> * Enhances the life of masonry joints * Arrests water seepage through joints * Bonds joints with substrates. * Strengthens joints of pre-fabricated slab, panels. * Repairs cracks in joints. |
| <p>4. IN CEMENTITIOUS GROUTS :</p> <p>STRUCO LATEX can be added to freshly prepared grout and used either for pocket grouting, base-plate grouting or for injection purposes.</p> <p>FOR INJECTION GROUTING, mix 2 to 3 kg Latex per bag of cement, alongwith other grouting admixtures for BASEPLATE and POCKET grouting. Dilute Latex with gauging water in the ratio 1:8 wait for 30 minutes after each pour of 40mm thickness.</p> | <ul style="list-style-type: none"> * Bonds grout with mother substrate. * Makes grouted mass monolithic Checks water ingress. * Does not affect viscosity or other properties of grouts. * Improves the mechanical strength of the grouts. * Improves tensile and flexural strength of the grout |
| <p>5. IN FLOORS OR A DAMP PROOF COURSE (DPC)</p> <p>Depending on ground water table,location and seasonal moisture contents of the substrate, STRUCO LATEX can be diluted with gauging water accordingly; either in the ratio 1:4 or 1:6 and uses to hydrate the flooring/DPC material. In marshy areas, a slurry coat (1:4:10=Latex:Water:Cement) is recommended.</p> | <ul style="list-style-type: none"> * Arrests ingress of ground water by capillary action. * Bonds sub base with DPC. * Prevent shrinkage cracks * Hardens surface. |

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| <p>6. IN Polymer CONCRETE :</p> <p>In any nominal mix, STRUCO LATEX can be added with the gauging water in conjunction with other admixtures, while producing concrete. The dose of STRUCO LATEX in concrete, shall be between 2% and 6% by weight of cement, by weight basis as advised by SWC Technical Services. STRUCO LATEX can also be used in successive concrete coats to avoid cold joints.</p> | <ul style="list-style-type: none"> * Makes concrete watertight. * Improves Flexural and Bond strength. * Reduces the permeability of concrete * Bonds cold joints. * Has no adverse effect on concrete. |
| <p>7. AS A BOND COAT</p> <p>The surface should be thoroughly cleaned and roughened for mechanical key. Mix two parts cement with one part of STRUCO LATEX (mixed slurry) and applied evenly over the substrate, using a brush. The new concrete should be poured when this primer coat is still tacky. Material consumption will be in the range 0.8 – 1.0 Kg (mixed slurry) / sqm./two coats depending on the porosity of the substrate.</p> | <ul style="list-style-type: none"> * Old and new concrete becomes monolithic * Interface develops strong adhesive bond strength. * Concrete becomes watertight. * Does not affect any other property of the cement or concrete. |

GUIDELINES :

1. While churning a mortar in a bowl, mixing should not be continued for too long. Mortar should be poured out, as soon as it is cohesive.
2. All surface should be cured with water for at least 7 days and then air cured, before applying an overcoat with **ARMOURCRETE** coating.
3. All surface should be thoroughly wetted to a saturated, surface-dry (SSD) condition before applying **STRUCO LATEX**.

PACKING : In 25 kg steel drum

SHELF LIFE : 1 year if kept in un-opened condition.

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TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical Personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place. SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures.

SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee.

Note :

This Technical datasheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal changes in properties. The recommendation and properties of the product are based on continuous monitoring of the product and are not intended to infringe on other patents.

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