CHRYSO® STRUCO LATEX

SBR Latex Based All Purpose Waterproofing And Bonding Compound

Description

CHRYSO® STRUCO LATEX is a single component, polymeric synthetic rubber emulsion (SBR), which can be added to any cementitious formulation, to achieve bonding and waterproofing properties.

Indicative Characteristics

Form	Milky white liquid
Specific Gravity@ 30°C	1.03 ± 0.02
pH	7 - 9
Bond Strength, kg/cm^2	Not less than 30
Flexural strength at 28 days, kg/cm^2	Not less than 70

Domains of Application

- In rendering / plastering work on all brick walls in Residential and Industrial Structures.
- In silos, basement structures and for damp-proof course in residential buildings.
- For repair / maintenance work of existing damp wall, saltpetre action in brick work.
- As an integral damp proofing /waterproofing compound in concrete for roof, slab etc.
- In marine structures and sea-facing buildings.

Method of Application

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 action and damp walls, when used as a plaster additive

Method of Application
In Cement Slurry

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 m^2 and it will form an excellent bond coat, on which an overcoat can be applied, while the bond coat is tacky.

As Direct Bond Coat

The surface should be thoroughly cleaned and roughened for mechanical key. Mix 2 parts of cement with 1 part of diluted STRUCO LATEX (Latex: Water =1:1 to 1:4,) and Apply evenly over the substrate, using a brush. The new top coat should be applied when this primer coat is still tacky. As a prime coat for bonding, consumption of STRUCO LATEX will be about 200 to 300 gm/ m^2 depending on the porosity of the substrate.

As Mortar/Render

Dilute STRUCO LATEX with water. Add this diluted solution of STRUCO LATEX to cement – sand mixture, the mixture will become creamy and user friendly. Masons .Enjoy using this, as the speed of plastering also increase. Dilution of STRUCO LATEX with water can be done in the ratio of 1:2 to 1:10 depending on the severeness of the water seepage.

As Putty For Joints

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.

In Cementitious Grouts

STRUCO LATEX can be added to freshly prepared grout and used either for Pocket grouting, base-plate grouting or for injection purposes. FOR INJECTION GROUTING: mix 2 to 3 kg. Latex per bag of cement, along with other grouting admixtures. FOR BASEPLATE and POCKET GROUTING : Dilute Latex with gauging water in the ratio 1:8.

CHRYSO India Private Limited | Registered & Corporate Office : Plot No. D -30/7, TTC Industrial Area, M.I.D.C. Turbhe, Navi Mumbai – 400705. Maharashtra, INDIA. Tel : +91 22 27685991/2

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As Damp Proof Course (DPC)

Depending on ground water label, location and seasonal moisture contents of the substrate, STRUCO LATEX can be diluted with gauging water accordingly ; either in the ration 1:4 or 1:6 and used to hydrate the flooring/DPC material. In marshy areas, a slurry coat (1: 4: 10 = Latex: Water: Cement) is recommended.

In Concrete

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, or as advised by our Technical Services. STRUCO LATEX can also be used in successive concrete coats to avoid cold joints.

Advantages

- Ensure complete water repellent concrete.
- Eliminates / Reduces dampness from the plastered surface of the brick work.
- Protects concrete from weak acid / salt solution, oil and hydrocarbons.
- Prevents / Reduces sweating, efflorescence, saltpeter action.
- Resists fungal growth on the plastered surface of the brick.

Shelf Life & Storage

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

1 kg, 5 kg, 20 kg and 200 kg container

Precautions

- STRUCO LATEX System must be applied when ambient temperature is above 10°C and below 35°C.
- Only STRUCO LATEX diluted with water should NOT be used as a bond coat or for priming purposes; instead, neat cement should be added to a slurry consistency for priming.
- For crack filing or grouting, follow standard codes of practice, i.e. the crack lines should be chipped and exposed to form a V-groove, threaded G.I. Nozzles to be affixed at regular intervals, using quick setting cement additives, eg. STRUCO No.3 or Excem C) - polymeric grouting compound for flowability and STRUCO LATEX is to be added as per recommended dosages.
- 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.
- All surface should be thoroughly wetted to a saturated, surface-dry (SSD) condition before applying STRUCO LATEX on it..

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet.
The MSDS is available on www.chryso.com

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