

CALISTO LATEX

Multi-Purpose Mortar Additive, Adhesive and Cement Modifier

DESCRIPTION

CALISTO LATEX is SBR based waterproofing bonding agent designed as an integral adhesive for slurry bond coats, mortars, plastering mortars and concrete to improve bond strength and chemical resistance. It is Ideal for producing high abrasion resistant floors, for use in internal and external renderings, flooring screeds and patch repairs. When dry the finished mortars or concrete show a vastly improved resistance to water. It can be used where improvements in physical properties of Portland cement systems are required.

AREA OF APPLICATION

- Useful for general concrete repair & reconstruction work.
- For making repair mortar for mending damaged spots in precast concrete industry.
- For enabling strong & non permeable joints between old and new concrete when mixed with mortar.
- As an additive in plastering mortar, to form better bonding. Also bonds excellent on AAC blocks, where regular plaster tends to debond.
- Can be an alternative for hacking, when applied with tyrolean machine.
- For fixing tiles, floor screeds and mosaic tiling. For repairing of cracks & sealing of porous surface and latex modified overlays.
- Can be used as sandwiched cementitious coating for toilet, bathroom, B B coba etc

FEATURES

- Imparts improved bond / impact strength
- Alternative for hacking.
- Concrete modifier.
- Excellent bonding and repairing agent.
- Most suitable additive for plastering.
- Increases mortar flexural / tensile strength
- Reduces salt penetration into concrete / Durable & prevents concrete decay.
- Excellent adhesion to most building substrates.
- Sandwiched cementations coating
- Increases overall structural durability

SURFACE PREPARATION

Remove all dust, foreign matters, loose materials or any deposits of contamination which could affect the bond between the surface and the Coating by scarifying, grinding, water blasting, sand blasting, acid washing or by any other approved method.

METHOD OF USE

Bond coat: Mix CALISTO LATEX with water and cement in the ratio of 1:1:2

1 For bonding Plaster to Plaster/ plaster to brick/ old concrete to new concrete: Apply a bond coat with above mixture on the prepared surface and when applied mixture is still tacky, place/apply plaster or concrete as per planning.

2 To be used as waterproof coating: Brush apply minimum 2 coats of above mixture. Apply 2nd coat once the 1st coat is dry. Protect / finish with screed or plaster. Typically used in Water tanks / Chajjas / Terraces / DPC / over sunken slabs in bathroom.

3 As a coating for prevention of corrosion in rebars: Rusted rebars are to be thoroughly scraped, by mechanical means. Apply a single coat of prepared mix over the rebars.

4 For use as a waterproof repair plaster: Add 1 Kg 'Calisto Latex with requisite water for 50 kg bag of cement. Add this mix to the recommended dry plaster mix of 1:3 mortar (cement : sand). Keep water-cement ratio in Plaster as low as 0.4 – 0.45. For better results, first apply bond coat on the surface to be treated and then lay the plastering mix as per the standard procedure.

5 To be used as alternative for hacking: Add 2 Kg 'Calisto Latex' with requisite water for 50 kg bag of cement. Add this mix to the recommended dry plaster mix of 1:3 mortar (cement: sand). Adjust the water cement ratio according to the required workability. Apply this plastering machine with 'Tyrolean machine'. Let it dry and cure for more than 24 hrs. (Minor water sprinkling is required for curing). This is ideal for vertical as well as horizontal surfaces.

COVERAGE

Approximate coverage for 'Bond coat' is around 40-45 Sqft / kg /coat depending on the surface condition.

PACKING

Calisto Latex is available in 1 kg, 5 kg, 10 kg, 20 kg, 25 kg

STORAGE & SHELF LIFE

Shelf life is 14 months in unopened container. Store away from sunlight and preferably below 30oC.

TECHNICAL PROPERTIES

Appearance	Liquid
Colour	Milky White
Specific gravity	0.95 ± 0.1(ASTM D 1644-03)
Solid Content %	25 ± 2 (ASTM D 1475-03)
Viscosity (Spindle No: 4; RPM : 20 @ 25°C	1500 – 2500 CPS
Compatibility with all cement / admixture	Good
ph	6-9
Flammability & Toxicity (Dry Film)	None

HEALTH & SAFETY

Exercise caution and use protective clothing such as gloves and goggles. Inhalation of vapour or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air & if need be start artificial respiration. Give oxygen if breathing is labored & call emergency medical help. In case of eye contact flush with water for 15 minutes and call for medical help. If swallowed will cause nausea, vomiting, and loss of consciousness. Do not induce vomiting rather call for medical help. If contact with skin flush with water/soap & water until all traces are removed. Seek medical attention if required.



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