

CALISTO GUARD

Two Component Semi-flexible Cementitious Coating

DESCRIPTION

CALISTO GUARD is a two component cementitious and acrylic polymer based semi-flexible waterproofing and protective coating made up from the best quality Portland cement, properly selected and graded aggregates additives, fiber & acrylic emulsion polymer as a binder. It is applied to waterproof and protect concrete and similar structures.

AREA OF APPLICATION

- Toilet/Bathroom
- Swimming pool
- Waterproofing under B B Coba
- Waterproofing under tiles etc.
- Attached balconies
- Terraces
- Watertanks etc

FEATURES

- Seamless, tough , semi-flexible coating.
- Superior adhesion properties.
- Ensures durable bond to most building material (old or new)
- Membrane of 1 to 1.5mm provides an excellent shield against the penetration of carbon dioxide and chloride ions.
- Excellent resistance to ingress of water.

SURFACE PREPARATION

The surface must be strong & free from dirt, dust & loose particles. Thoroughly wire brush the surface & clean the dust by air compressor or wash the surface with water. Oil & grease must be removed using degreasing solvents. Any damaged surface must be repaired by using polymer modified repair mortar.

METHOD OF USE

Shake well the liquid component to a homogenous milky color, before mixing transfer entire quantity of liquid component into a suitable clean mixing vessel, gradually start addition of powder component under constant mixing with a stirrer using a pneumatic or electric power tool (1kw) at slow speed at 250 – 300 rpm for 3- 5 minutes to a homogeneous & uniform free flowing slurry. After proper surface preparation, slightly damp the surface and apply 2 coats of 'Calisto guard' mixed slurry in perpendicular direction. Do not dilute with water or any other material. Apply minimum 2 coats with a thickness of 0.75mm per coat. Leave it to dry for 24 hours. In case of swimming pool, water tanks, leave it for 7days before filling it with water as well as mock up or ponding tests on site.

COVERAGE

Coverage for 2 coats is around 7-9 sqft /kg and should generally return DFT of approx 1.5 mm. For higher DFT use extra coats.

PACKING

'Calisto Guard' is available in 10 Kg (8kg Powder + 2Kg Liquid)

STORAGE & SHELF LIFE

Shelf life is 12 months in unopened container. Store away from sunlight and preferably below 30°C.

TECHNICAL PROPERTIES

Type	2 component (Part-1 Powder, Part-2 Liquid)
Powder Liquid Ratio (Powder : Liquid)	2:1
Water absorption	< 4%
Tensile strength	3.0N/mm ²
Bonding strength with concrete at 7 days	2.0N/mm ²
% Elongation	40-80%
Crack Bridging	1-3 mm

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.



MANUFACTURED BY

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