



CL – PRUF 501

CEMENTITIOUS WATERPROOFING SLURRY

DESCRIPTION

CL-PRUF 501 is a two-part acrylic-modified cementitious waterproofing system. The two components will react chemically on mixing to form a dense waterproofing layer, which bonds firmly onto the substrate on application to prevent water infiltration.


USES

Can be applied on various substrates such as sand / cement screed, concrete bases, granolithic, ceramic quarry tiles and others. Areas of application includes interior and exterior surfaces of walls and floors, terraces, balconies, retaining walls, bathrooms, kitchens, water tanks, planter gutters and the like.

FEATURES

- Excellent waterproofing
- Superior bonding strength
- Can apply on wet substrates
- Excellent durability
- Non-flammable
- Anti-carbonation protection

CERTIFICATIONS

- Element Singapore
- Sirim Malaysia
- Singapore Green Building Council  Leader

TECHNICAL INFORMATION

| | |
|---|--|
| Working Time | : 30 minutes @ 30°C |
| Adhesion to Concrete (ASTM D4541:2009) | : > 1.2 N/mm ² |
| Compressive Strength (ASTM C109:2002) | : > 25 N/mm ² |
| Water Penetration (DIN 1048:Pt5:91) | : No water penetration @ 0.2kgf/cm ² for 6hr |
| Initial Surface Absorption (BS1881: Pt208:1996) | : 0.015ml/(m ² .s) The sample is too impermeable to be sensitive to a longer term test |
| Toxicity (SS 375:2001) | : Passed |

SURFACE PREPARATION

Surface to be waterproofed must be sound, clean - free of dirt, dust, grease, oil, wax, curing compounds and other contaminants. For cracks, voids, chipped edges, uneven surfaces and holes are to be repaired with CL-Rapid Repair or non-shrink grout. Fresh concrete must be cured for at least 14 days prior to application.

Wet the prepared substrate with clean water before applying CL-Pruf 501. Care should be taken to ensure that there is no water ponding areas. Where appropriate, especially for low absorbent surface, use CL-Primer P1 for priming. **DO NOT DILUTE CL-Primer P1.** Apply by brush or roller at the rate of 0.15 – 0.2 kg per sq meter depending on substrate porosity. Allow it to dry prior to further application, usually about 2 hours depending on climatic condition.

MIXING

Use in the proportion of 5 kg of Part A with 18 kg of Part B. Put Part A into a suitable sized, clean container. Add Part B gradually while mixing until a homogeneous and lump-free slurry is obtained. Use hand-drill mixer for better dispersion of the components. **DO NOT ADD** water or any other ingredients.

APPLICATION

Apply by brush, roller, trowel or spray. Minimum 2 coats should be applied. Allow first coat to dry before applying second coat, usually about 4 – 8 hours apart depending on substrate porosity and climatic condition. If second coat is applied more than 24 hours after the first coat, or the first coat is completely dried out, the surface must be wet with water prior to application. For extremely high water absorbent surfaces, 3 coats are recommended for better protection.

For roofing, CL-Pruf 501 can be reinforced by using CL-Fabric. Apply first coat at the rate of approximately 1.5kg per sq meter. Immediately put CL-Fabric onto the first coat and apply second coat at the rate of approximately 1.0kg per sq meter. While applying second coat, lightly press CL-Fabric into first coat layer using roller. Apply third coat if further built-up is required. After the application of CL-Pruf 501, allow the last coat to cure adequately before proceeding with other works.

COVERAGE

| | |
|--|---------------------------------------|
| For bathrooms, balconies and terraces | : approx. 1.0 kg/m ² /coat |
| For coating up to 1 meter water height | : approx. 1.5 kg/m ² /coat |
| For coating more than 1 meter water height | : approx. 2.0 kg/m ² /coat |
| * Minimum 2 coats should be applied. | |

TOOLS CLEANING

Wash with water immediately after use.

SHELF LIFE

When store in cool and dry place, sealed in unopened container; shelf life for CL-Pruf 501 should be as below: -

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|--------|-----------|
| Part A | : 2 years |
| Part B | : 1 year |

PACKING

23 kg set, consists of Part A: 5 kg pail; Part B: 18 kg bag.



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Disclaimer: Specification are subject to change without notification.



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