



CL – PRUF 503

CEMENTITIOUS WATERPROOFING SLURRY

DESCRIPTION

CL-PRUF 503 is an economical two-part acrylic emulsion-modified cementitious waterproofing system. The two components will react chemically on mixing to form a hard coating film, which bonds firmly onto the substrate on application to prevent water.

USES

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

FEATURES

- Good waterproofing
- Superior bonding strength
- Can apply onto wet substrates
- Excellent durability and 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)	: > 1.0 N/mm ²
Compressive Strength (ASTM C109:2002)	: > 20 N/mm ²
Water Penetration (DIN 1048:Pt5:91)	: No water penetration @ 0.2kgf/cm ² for 6hr
Initial Surface Absorption (BS1881: Pt208:1996)	: 0.021ml/(m ² .s) The sample is too impermeable to be sensitive to a longer-term test
Toxicity test (SS375: 2015)	: 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 503. 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 20 kg of Part B. Put Part A into a suitable sized, clean container. Add Part B gradually while mixing until homogenous 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 at the rate of 1.0 kg per sq meter. 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. Allow the last coat of CL-PRUF 503 to cure completely before proceeding with finishing works. For extremely high water absorbent surfaces, 3 coats are recommended for better protection.

For roofing, CL-Pruf 503 can be reinforced by using CL-Fabric. Apply first coat at the rate of 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 503, allow the last coat to cure adequately before proceeding with other works.

COVERAGE

For bathrooms, balconies and terraces : approx. 1.0 kg/m²/coat
For coating up to 1 meter water height : approx. 1.5 kg/m²/coat
For coating more than 1 meter water height : approx. 2.0 kg/m²/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 503 should be as below: -

Part A : 2 years

Part B : 1 year

PACKING

25kg set, consists of Part A: 5 kg pail; Part B : 20 kg bag



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Disclaimer: Specification are subject to change without notification.



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