



CL – PRUF 502

FLEXIBLE CEMENTITIOUS WATERPROOFING SLURRY

DESCRIPTION

CL-PRUF 502 is a two-part acrylic-modified flexible, cementitious waterproofing system. The two components will react chemically after mixing to form a hard and elastic coating to protect against ingress of water.

USES

Can be applied to rigid sound surfaces of various substrates such as sand / cement screed, concrete bases, granolithic, ceramic quarry tiles and others. Suitable for interior and exterior surfaces of walls and floors, roofs, swimming pools, bathrooms, kitchens, water tanks, planter boxes, sealing precast joints and intersection of two concrete elements.

FEATURES

- Excellent waterproofing
- Excellent bonding strength
- High elasticity
- Excellent alkaline resistant
- Can apply onto wet substrates
- Non-flammable
- Excellent durability
- Anti-carbonation protection

CERTIFICATIONS

- Element Singapore.
- SIRIM Malaysia.
- Singapore Green Building Council $\checkmark\checkmark\checkmark$ Leader
- Singapore HDB approved

TECHNICAL INFORMATION

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|---|---|
| Working Time | : 30 min @ 30°C |
| Elongation at Break (ASTM D412:2021) | : > 220% |
| Tensile Strength (ASTM D412:2021) | : > 1.5N/mm ² |
| Adhesion to Concrete (ASTM D4541-02) | : > 0.3 N/mm ² |
| Crack Bridging (ASTM C836:2022) | : No crack at 2 mm width |
| Water Penetration (DIN 1048:Pt 5:1991) | : No water penetration @ 0.2kgf/cm ² for 6hr |
| Initial Surface Absorption (BS1881: Pt208:1996) | : 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. Fresh concrete must be cured for at least 14 days prior to application.

Wet the prepared substrate with clean water before applying CL-Pruf 502. 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 17 kg of Part A with 25 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. Coverage should be 1.0 kg/m² per coat. Allow first coat to touch dry before applying second coat, usually about 1 – 3 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 pre-wet with water prior to application.

PRECAUTION

It is necessary to apply a thin layer of cement based slurry screed on top of CL-Pruf 502 prior to the subsequent plastering and tile installation works.

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 502 should be as below: -

Part A : 2 years

Part B : 1 year

PACKING

Part A : 17 kg pail

Part B : 25 kg bag



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Disclaimer: Specification are subject to change without notification.



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