



# CL – PRUF 505

## FLEXIBLE CEMENTITIOUS WATERPROOFING SLURRY

### DESCRIPTION

**CL – PRUF 505** 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 film, which bonds firmly onto the concrete or masonry substrates 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, metal, PVC 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
- Good elasticity
- Excellent alkaline resistant
- Can apply onto wet substrates
- Non-flammable
- Excellent durability
- Anti-carbonation protection

### CERTIFICATIONS

- TUV SUD PSB Singapore
- Setsco Services Singapore
- SIRIM Malaysia.

### TECHNICAL INFORMATION

Working Time	: 30 min @ 30°C
Elongation at break (ASTM D412:2006)	: > 40%
Tensile Strength (ASTM D412:2006)	: > 2 N/mm <sup>2</sup>
Adhesion to concrete (ASTM D4541:2009)	: > 1 N/mm <sup>2</sup>
Water Resistance (DIN 1048:Pt5:91)	: No water penetration @ 0.2kgf/cm <sup>2</sup> for 6hrs
Toxicity (SS 375:1994)	: 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, repair 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 505. Care should be taken where no water ponding is allowed. Where appropriate, especially for low absorbent surface, use CL-Primer P1 for priming. DO NOT DILUTE CL-Primer P1. Application of primer on non absorptive substrates such as metal and PVC will not be necessary. 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 10 kg of CL-Pruf 505 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/m<sup>2</sup> 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. Total composite dry thickness should be 1.3mm.

For roofing, CL-Pruf 505 can be reinforced by using CL-Fabric. Apply first coat at the rate of 1.5 kg/m<sup>2</sup>. Immediately put CL-Fabric onto the first coat and apply second coat at the rate of 1.0 kg/m<sup>2</sup>. While applying second coat, lightly press CL-Fabric into first coat layer using roller. Apply third coat if further build-up is required.

### PRECAUTION

It is necessary to apply a thin layer of cement based slurry screed on top of CL-Pruf 505 prior to the subsequent plastering and tile installation works.

### TOOLS CLEANING

Wash with water immediately after use.

### PACKING

Part A : 10 kg pail  
Part B : 25 kg bag



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Disclaimer: Specifications are subject to change without notification.



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