



CL – KOTE 22

ELASTOMERIC WATERPROOFING MEMBRANE COATING FOR EXPOSED AND NON-EXPOSED SYSTEM (with heat reflective function in white colour)

DESCRIPTION

CL-KOTE 22 is a specially formulated, single pack, non-plasticised acrylic based liquid elastomeric waterproofing system which forms a tough, elastic, waterproof, UV resistant and coloured membrane bonded securely to the surface when applied on. It provides a continuous seam-free membrane for waterproofing roofs, car park decks and balconies, other exposed and non-exposed areas. CL-Kote 22 can be applied on concrete, fibrous cement sheet, concrete block, cement render, timber and GRC.

CL-Kote 22 in its white offering provides good heat reflective function that significantly reduces the surface temperature internally and externally when exposed to hot weather.

FEATURES

- Easy to use. Mixing and dilution are not required.
- Excellent adhesion that prevents the spread of water beneath the membrane.
- Forms a complete homogenous waterproofing membrane with no laps, joints or over flashing.
- No hazardous or toxic substance.
- UV resistant.
- Can be overlay with cement screed for non-exposed areas.

CERTIFICATIONS

- TUV SUD PSB Singapore
- Sirim Malaysia
- Singapore Green Building Council ✓✓✓✓ Leader

TECHNICAL INFORMATION

Elongation at Break (ASTM D412)	≥ 200%
Tensile Strength (ASTM D412)	≥ 1.5N/mm ²
Adhesion to Concrete (ASTM D4541-02)	> 0.5N/mm ²
Crack Bridging (ASTM C836/C836M-18)	No crack at 2 mm width
Water Penetration (DIN 1048: Part 5)	No water penetration @0.2kgf/cm ² for 12hrs
Volatile content (ASTM D1644)	<50%

SURFACE PREPARATION

Surface to be waterproofed must be sound, clean - free of dirt, dust, grease, oil, wax, curing compounds and other contaminants. All joints should be sealed with suitable flow modulus of walls, floors and wet areas including high performance and paintable joint sealant. All cracks or holes should be repaired with cement mortar or CL-Rapid Repair. Allowed at least 14 days for cement mortar to cure prior application of CL-Kote 22.

PRIMER APPLICATION

For mineral wall substrate, apply one coat of CL-Primer P1 to the surface by brush or roller at the rate of 0.15 – 0.2 kg per m². Coverage will vary according to surface profile and porosity of the substrate. Allow it to dry (approx. 20 minutes) before proceeding with CL-Kote 22. Alternatively, dilute CL-Kote 22 with water at 25% to 30% and apply as primer at the rate of 0.15 – 0.2kg per m² prior proceeding with CL-Kote 22.

For horizontal mineral substrate, CL-Pruf 501 or CL-Pruf 503 or CL-Pruf 507 is recommended to be used as primer for overcome bubbling problem especially for roof top application. Damp the substrate and apply at the rate of 1.0kg/m² and leave it to dry for at least 8 hours prior membrane application.

For iron metal substrate, it is recommended to use CL-Red Oxide Primer for anti-rust protection. Apply at the rate of 0.1 – 0.13 litre/m² by brush or roller. Allow it to dry completely for at least 8 hours prior membrane application.

APPLICATION

Do not dilute CL-Kote 22. Stir CL-Kote 22 with mechanical mixer at low speed until uniform dispersion prior application. Care should be taken to avoid air trap while stirring. Apply one coat of CL-Kote 22 by brush or roller. To enhance the strength, it can be reinforced by Chopped Strand Mat CS100 or CL-Fabric. This is done by fully and completely embedding the reinforcing fabric by “back rolling” with more CL-Kote 22 when the first coat is still wet. The reinforcing fabric should be fully saturated with and over coated by the second application of CL-Kote 22 membrane. The “back rolling” may use additional material. Allow to thoroughly dry for a minimum of 8 hours before proceeding with further application. Overnight drying may be necessary in cooler or adverse conditions. Apply second coat of CL-Kote 22 and allow to dry. Apply further coats of CL-Kote 22 membrane if further build-up is required. CL-Kote 22 must be allowed to dry completely prior further application. Insufficient of drying will cause re-emulsification problem when contact with water. For large area or substrate with various profile, it is recommended to apply by spray. Dilute with 10 - 20% of water before spray.

COVERAGE

- Horizontal substrate: ~ 1kg/m²/coat @ 2 coats, ~ 1mm
- Vertical substrate: ~ 0.6kg/m²/coat @ 2 coats, ~ 0.6mm

COLOUR

Light grey, dark grey and white. Other colours are available upon request.

TOOLS CLEANING

Wash with water immediately after use. Use xylene for partially cured residue.

SHELF LIFE

2 years in an unopened container, stored in cool and dry place.

PACKING

Available in 5kg and 20kg pail.

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Disclaimer: Specification are subject to change without notification.