



CL-KOTE 22 PRO

ELASTOMERIC WATERPROOFING MEMBRANE COATING FOR EXPOSED AND NON-EXPOSED SYSTEM (reinforced with micro-fibres)

DESCRIPTION

CL-KOTE 22 PRO is a specially formulated, single pack, non-plasticised acrylic based liquid elastomeric waterproofing integrated with micro-fibres reinforcement. With the integration of micro-fibres, it enhances the tensile properties of the coating while forming 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 PRO can be applied on concrete, fibrous cement sheet, concrete block, cement render, timber and GRC.

CL-Kote 22 PRO 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.
- Able to absorb expansion and shrinkage movement without cracking.
- 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.

TECHNICAL INFORMATION

Elongation at Break (ASTM D412:2016) : > 200%
Tensile Strength (ASTM D412:2016) : > 2.3N/mm²
Adhesion to Concrete (ASTM D4541:2017) : > 0.6N/mm²
Crack Bridging (ASTM C836:2005) : No crack at 2 mm width
Water Penetration (DIN 1048:Part 5:1991) : No water penetration
@ 0.2kgf/cm² for 12hr
Volatile content : < 40%

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 PRO.

PRIMER APPLICATION

For mineral wall substrate, dilute CL-Kote 22PRO with water at 30% to 50% depending on substrate porosity and apply as primer at the rate of 0.15 – 0.2kg per m² prior proceeding with CL-Kote 22PRO. Coverage will vary according to surface profile and porosity of the substrate.

Alternatively, CL-Pruf 503 is recommended to be used as primer which can further enhances the bonding of the coating to 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 PRO. Stir CL-Kote 22 PRO 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 PRO by brush or roller. 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 PRO and allow to dry. Apply further coats of CL-Kote 22 PRO membrane if further build-up is required. CL-Kote 22 PRO must be allowed to dry completely prior further application. Insufficient of drying will cause re-emulsification problem when contact with water.

COVERAGE

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

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 20kg pail.

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Disclaimer: Specification are subject to change without notification.



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