



CL – KOTE 90

ELASTOMERIC ACRYLIC BITUMINOUS WATERPROOFING COATING

DESCRIPTION

CL - KOTE 90 is a cold applied, single component elastomeric acrylic bituminous waterproofing coating. It is designed for horizontal and vertical waterproofing applications. Once dried, it provides seamless, elastomeric membrane that gives superior protection against penetration and lateral movement of water.

USES

- RC flat roof, basement, internal or external wall.
- External waterproofing of structures such as subway, common exit, under-pass, pathway etc.
- Structure which has serious cracks, RC flat roof that has many projecting parts.
- Internal waterproofing of restroom, bathroom, veranda etc.
- Internal damp-proofing of large refrigerator warehouse.

FEATURES

- Excellent waterproofing
- High elasticity
- Non-toxic, odourless and taint free.
- Solvent free – environmentally friendly

CERTIFICATIONS

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

TECHNICAL INFORMATION

Appearance	: Black thixotropic liquid
Elongation at break (ASTM D412)	: >300% (without fiber mesh)
Tensile Strength (ASTM D412)	: > 2 N/mm ² (with fiber mesh)
Water Resistance (SS 133APP 1)	: No dispersion or blistering
Crack Bridging (ASTM C836)	: No cracking at 2mm width; : No cracks after 10 cycles of stretching and closing to a width of 1mm
Adhesion (ASTM D4541)	: >0.4 N/mm ²
Shore Hardness A (ASTM D2240)	: >30

SURFACE PREPARATION

Surfaces 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.

PRIMER APPLICATION

Dilute CL-Kote 90 with 25 – 30% of water and apply as primer. Apply by brush or roller at the rate of about 0.2kg/m². Allow it to dry for about 2 – 4 hours prior application of CL-Kote 90 waterproofing.

For roof top, use CL-Pruf 501 or CL-Pruf 503 as primer. Damp the substrate with clean water before applying CL-Pruf 501 or 503. Care should be taken to ensure that there is no water ponding areas prior application. Apply by brush, roller or trowel. Coverage should be 0.5 - 1.0 kg/m² per coat. Allow it to dry for about 6 hours or overnight depending on climatic condition prior application of CL-Kote 90.

APPLICATION

Do not dilute CL-Kote 90. Stir CL-Kote 90 with mechanical mixer at low speed until uniform dispersion prior application. Care should be taken to avoid air trap while stirring. Apply CL-Kote 90 by roller, brush or squeegee directly to the primed surface. Allow it to air dry for about 6 – 8 hours before applying second. The last coat should be allow to cure for 48 hours before conducting ponding test. Curing time depending on substrate porosity, humidity and ambient temperature.

For critical area where there is movement or better durability, the coating can be reinforced with CL-Fabric. Apply first coat onto the primed surface. Immediately put CL-Fabric onto the first coat and apply second coat. While applying second coat, lightly press CL-Fabric into first coat layer using roller. Apply third coat if further built-up is required.

CL-Kote 90 can be used with CL-Kote 90 filler for finishing variation as well as to accelerate the drying time of CL-Kote 90. Mix in the proportion of 19kg CL-Kote 90 with 1 to 2kg of CL-Kote 90 filler and mix in slow speed for about 1 minute. Do not add extra filler neither water. Immediately after mix, pour on the CL-Kote 90 primed substrate and spread out evenly with long trowel to approximately 1mm thickness at the rate of 0.8kg/m². Mixture should be used within 5 – 10 minutes depending on climatic condition. Let it dry for about 4 hours before next application.

PROTECTION

After the waterproofing application, the CL-Kote 90 membrane should be adequately protected against rain until dried; mechanical or chemical damages pending the overlay or back filling installation. After conducting water test, thoroughly drain out the water prior to further application of covering.

PRECAUTION

It is necessary to apply a thin layer of cement-based slurry screed on top of CL-Kote 90 prior to the subsequent plastering and tile installation works.

COVERAGE

Approximately 0.8kg/m² per coat. Minimum 2 coats.

PRECAUTION MEASURES

- Do not use as an exposed or wearing surface.
- Do not apply when temperature falls under 5°C.
- Do not store at temperature above 40°C and below 5°C.
- Avoid contact with skin for extended periods of time.
- Wear gloves during application.

TOOLS CLEANING

Wash with water immediately after used. If hardened, can be cleaned with kerosene or white spirit.

SHELF LIFE

12 months when stored in cool and dry place, sealed in unopened container.

PACKING

CL-Kote 90 available in 19kg pail.
Optional: CL-Kote 90 filler in 9bags x 2kg carton.

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Disclaimer: Specification are subject to change without notification.



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