



CL – KOTE 30

ELASTOMERIC POLYURETHANE MODIFIED BITUMINOUS WATERPROOFING COATING

DESCRIPTION

CL - KOTE 30 is a cold applied, single component elastomeric polyurethane modified 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
- No re-emulsification in water
- Non-toxic, odourless and taint free.
- Solvent free – environmentally friendly

CERTIFICATIONS

- Element Singapore
- Sirim Malaysia
- Singapore Green Building Council ✓✓✓ Leader
- Singapore HDB approved

TECHNICAL INFORMATION

Appearance	: Black thixotropic liquid
Elongation at break (ASTM D412)	: $\geq 600\%$
Tensile Strength (ASTM D412)	: $\geq 2 \text{ N/mm}^2$
Water Penetration (DIN 1048-5)	: No water penetration @ 0.7 kgf/cm^2 for 6 hours
Crack Bridging (ASTM C836/C836M-18)	: No cracking at 2mm width; : No cracks after 10 cycles of stretching and closing to a width of 1mm
Adhesion (ASTM D4541)	: $\geq 1 \text{ N/mm}^2$
Shore Hardness A (ASTM D2240-15)	: ≥ 50

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

The product can be self-priming. Do not dilute CL-Kote 30. Apply one coat of CL-Kote 30 by roller, brush or squeegee at a rate of $0.6 - 1.0 \text{ kg/m}^2$. Allow it to air dry for about 2-3 hours depending on substrate porosity and climatic condition.

To enhance the bonding strength, it is recommended to 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 $0.5 - 1.0 \text{ kg/m}^2$ per coat. Allow it to dry for about 6 hours or overnight depending on climatic condition prior application of CL-Kote 30.

APPLICATION

Do not dilute CL-Kote 30. Stir CL-Kote 30 with mechanical mixer at low speed until uniform dispersion prior application. Care should be taken to avoid air trap while stirring. Apply CL-Kote 30 by roller, brush or squeegee directly to the primed surface. Allow it to air dry for about 2-3 hours depending on substrate porosity and climatic condition before applying second coat. The last coat should be allowed to cure for 48 hours before conducting ponding test. Curing time depending on substrate porosity, humidity and ambient temperature.

PROTECTION

After the waterproofing application, the CL-Kote 30 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 30 prior to the subsequent plastering and tile installation works.

COVERAGE

- Horizontal substrate: $\sim 1 \text{ kg/m}^2/\text{coat}$ @ 2 coats
- Vertical substrate: $\sim 0.6 \text{ kg/m}^2/\text{coat}$ @ 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 30 is available in 20kg pail.

072524s

Disclaimer: Specification are subject to change without notification.



CLP since 1947

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