



CL – MEMBRANE MIN

TORCH-ON POLYMER BITUMEN MEMBRANE (MINERAL)

DESCRIPTION

CL-MEMBRANE MIN is a prefabricated polymeric bitumen waterproofing membrane based on distilled bitumen modified with high molecular weight polyolefinic plastomeric substances that give the waterproofing compound thermic stability, resistance to atmospheric agents and ageing due to temperature variation. Superficially, it is protected by natural slate chips or grit. Reinforced by a non-woven polyester fabric with elevated mechanical resistance, isotropy and deformation characteristics.

Due to its mechanical/physical characteristics, CL-Membrane MIN can be used for reinforced concrete prefabricated flat roof coverings, reinforced concrete and hollow tiles mixed surfaces, with or without thermal insulation, as well as sheds or inclined roofs, terraces, and under-tiles applications. CL-Membrane MIN is specifically used as a cap sheet layer suitable to be exposed for covering surfaces that are not destined to be walked upon as an under-tiles waterproofing solution.

TECHNICAL INFORMATION

PRODUCT	METHOD	UNIT	LIMIT
Reinforcement	-	-	Non-woven polyester fabric
Tensile Strength Long/Trans	EN-12311-1	N/5cm	$\geq 450/350$
Elongation at break Long/Trans	EN-12311-1	%	$\geq 30/30$
Nail shank Tear Resistance Long/Trans	EN-12310-1	N	$\geq 105/105$
Loss of Mineral	EN-12039	%	≤ 30
Cold Flexibility	EN-1109	°C	≤ 0
Flow resistance at elevated temperature	EN-1110	°C	≥ 120
Dimensional Stability	EN-1107-1	%	± 0.6
Watertightness	EN-1928	kPa	60

This product affixes the CE marking, in accordance to EN-13707 standard for "Flexible sheets for waterproofing - Reinforced bitumen sheets for roof waterproofing".

PACKAGING AND DIMENSION

Packaging : In shrinkable polyethylene on pallets
 Width : 1m
 Length : 10m
 Available thickness : -

- CL-Membrane MIN45-00: 3.2mm \pm 10%
- CL-Membrane MIN50-00: 4.0mm \pm 10%

STORAGE

Membrane rolls should be placed vertically. When stacked, it should not be more than 2 rolls high.

PRIMER APPLICATION

Surface to be treated must be clean, free of dust and dry; concrete must be fully cured. Use CL-Bitumen 300 as primer to improve the adhesive bonding. It also acts as an anti-dust layer. Dilute CL-Bitumen 300 with maximum 50% of water and apply with brush, roller or squeegee at the rate of 0.5 litre per sq meter. Alternatively, CL-Bitumen primer also can be used as primer. Do not dilute. Apply with brush, roller or squeegee at rate of 0.2 litre per sq meter depending on substrate porosity.

Allow it to dry completely prior to torch-on membrane application, usually at least 8 hours depending on climatic condition. Incomplete drying of primer may give rise to de-bonding problem between interface or primer and the membrane.

APPLICATION

Membranes have to be thermo-welded on horizontal and vertical surfaces with propane gas torch. End joints must be staggered (the overlap of four corners is not permissible). Set the membrane, unroll and align it in order to have a correct side lap. Stand on the membrane and re-roll it for one half. Apply the propane torch to the exposed outer surface of the re-rolled portion until the compound reaches the correct application temperature. When this section of the membrane is heat welded, re-roll the other section and weld it by torch as well. The membrane must be uniformly torched on.

Mineral Upper Finishing:

Side laps (have a selvage strip with no granules to facilitate the bonding) must be overlapped for minimum 10cm, end laps must be overlapped for minimum 15cm.



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Disclaimer: Specifications are subject to change without notification.