



# CL – MEMBRANE TOR

## TORCH-ON POLYMER BITUMEN MEMBRANE

### DESCRIPTION

**CL-MEMBRANE TOR** is prefabricated polymeric bitumen waterproofing membrane based on distilled bitumen modified with high molecular weight plastomeric polymers that give the waterproofing compound thermic stability, resistance to atmospheric agents and ageing due to temperature variation. Reinforced by a high dimensional stability non-woven polyester fabric with elevated mechanical resistance, isotropy and deformation characteristics.

Due to its mechanical-physical characteristics, CL-Membrane TOR 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, carriageable and walkable surfaces, rehabilitation of the roofed coverings, foundations, flooring and ground level walls, terraces, balconies, tubing, underground pipes and irrigation canals.

### TECHNICAL INFORMATION

| PRODUCT                                 | METHOD     | UNIT  | LIMIT  |
|---|------------|-------|--|
| Reinforcement                           |            |       | High dimensional stability non-woven polyester |
| Tensile Strength Long/Trans             | EN-12311-1 | N/5cm | ≥ 500/400                                      |
| Elongation at break Long/Trans          | EN-12311-1 | %     | ≥ 30/30  |
| Nail shank Tear Resistance Long/Trans   | EN-12310-1 | N     | ≥ 140/140                                      |
| 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".

### 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. Allow it to dry completely prior to torch-on membrane application, usually at least 8 hours depending on climatic condition.

### 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.

Plain Upper Finishing :

Side laps must be overlapped for minimum 10cm while end laps must be overlapped for minimum 15cm.

### PACKAGING AND DIMENSION

Packaging : In shrinkable polyethylene on pallets

Width : 1m

Length : 10m

Available thickness : -

- CL-Membrane TOR30-00: 3mm
- CL-Membrane TOR40-00: 4mm



Disclaimer: Specifications are subject to change without notification.

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