



# CL – MEMBRANE AR40-00PI

## ANTI-ROOT TORCH-ON POLYMER BITUMEN MEMBRANE

### DESCRIPTION

**CL-MEMBRANE AR40-00PI** is a pre-fabricated waterproofing membrane made of distilled bitumen and plastomeric polymers (APP) with polyester as the reinforcement. The waterproofing mass is added with a special chemical product that has high resistance to both root penetration as well as aggressive chemicals such as fertilizers, herbicide etc. The anti-root additive does not have any effect on the plants. It is also will not washed out from the membrane during torch-on application by open flame.

### USES

Due to the characteristics, the membranes are used with success for the waterproofing of both civil and industrial works where it is necessary to prevent the aggression of plant growth which may damage the integrity of the waterproofing layer, e.g. Roof gardens, parking lots and underground works, retaining walls, flower boxes etc.

### TECHNICAL INFORMATION

PRODUCT	METHOD	UNIT	LIMIT
Reinforcement			Polyester
Upper face finish	-	-	Sand
Lower face finish	-	-	PE film
Tensile Strength Long/Trans	EN-12311-1	N/5cm	≥ 400/280
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	kP	60

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

### 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.

### DIMENSION AND PACKAGING

Thickness : 4±0.2mm

Width : 1m

Length : 10m

Packaging : in shrinkable polyethylene on pallets

122014

Disclaimer: Specification are subject to change without notification.

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