

## TECHNICAL DATA SHEET

### EUROPLAST PV 3MM & 4MM

#### High Performance Membranes

##### DESCRIPTION

**EUROPLAST PV 3MM & 4MM** bitumen membrane are plastomeric waterproofing membranes manufactured from a rich mixture of bitumen and selected polymers (Atatic Poly Propylene) blended together to obtain excellent heat & UV resistance and waterproofing properties. The polymerized bitumen is coated on to a dimensionally stable reinforcement core of non-woven spun bond polyester rot-proof fabric. The membrane has excellent tensile & tear strength and has high fatigue and puncture resistance.

##### USES

**EUROPLAST PV 3MM & 4MM** is used as waterproofing/damp proofing membrane for protection of various substrates in wide range of applications which included the following:

- Roofs
- Terraces, balconies & patios
- Sunken slabs
- Concrete foundations & footings
- Basements
- Pile heads
- Bridges & tunnels
- Airport aprons & ramp areas

##### ADVANTAGES

- High resistance to positive water & vapor pressure
- Good dimensional stability under tension
- Excellent flexibility
- High puncture and fatigue resistance
- High tensile and tear strengths
- Resists water borne chemicals
- Accommodates structural movement

##### APPLICATION

Application procedure may vary slightly depending upon site conditions. However below given are general guidelines.

##### Surface preparation

The surface where the membrane will be laid is to be made clean and dry. All surface imperfections and protrusions are to be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable repair mortar.

### Priming

Apply solvent primer to a clean smooth and dry surface by brush, roller or spray. Allow the primer to dry.

### Alignment

Unroll and align **EUROPLAST PV 3MM & 4MM** and re-roll correctly before torching. Overlaps should be a minimum of 100mm.

### Torching

Use gas burner to heat substrate and undersides of **EUROPLAST PV 3MM & 4MM**. Embossing on the lower face of the membrane allows a fast and safe laying. When embossing disappears after torching the membrane is ready to stick. Roll forward and press firmly against the substrate to bond. Caution: Do not over torch as this will expose the reinforcement in the membrane and cause damage to it.

PARAMETER		UNIT	VALUE	NORM
Visible defects		-	pass	EN-1850-1
Thickness (STANDARD)		mm	3,0 / 4,0 / 5,0	EN 1849-1
Areic Mass (MINERAL)		kg/m <sup>2</sup>	4,0 / 4,5 / 5,0	EN 1849-1
Width and length		m	1,00/10,00	EN 1848-1
Straightness		mm	max 20	EN 1848-1
Max Tensile Force (L/T)		N/5 cm	600 / 400 ±150	EN 12311-1
Elongation (L/T)		%	30/30 ±15	EN 12311-1
Resistance to Tearing (L/T)		N/5 cm	140 / 160 ±42/48	EN 12310-1
Resistance to Static Loading		kg	15	EN 12730-A
Resistance to Impact		mm	800	EN 12691
Pliability (Cold Flexibility)		°C	-5	EN 1109
UV Ageing (Visible Defects)		-	pass	EN 1297
Water tightness		kPa	60	EN 1928
Water Vapor Permeability		μ x 1.000	20 (default)	EN 1931
Form Stability (new/Aged)		°C	130 / 130	EN 1110
Adhesion of Granules (Mineral Version)		%	≤ 30	EN 12039
<b>STANDARD</b>	<b>Thickness mm</b>	3	4	5
	<b>Rolls x Pallet</b>	600	480	400
<b>MINERAL</b>	<b>Areic Mass kg/m<sup>2</sup></b>	4,5	5,0	
	<b>Rolls x Pallet</b>	552	400	
<b>Upper Finishing</b>	Fine sand finish Slate chips/granules (mineral self-protection)			
<b>Lower Finishing</b>	Thermo-fusible polyethylene film			
<b>Packaging</b>	Shrinkable polyethylene film, on pallet			

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