



Fortune PN

Flexible polyolefin membranes (TPO) reinforced with polyester net produced by co-extrusion of Fortuline R polyolefin alloy

Description

Over the last 15 years the European market has seen a trend towards consolidation in the area of TPO-based waterproofing products.

For years designers and installers alike have benefitted from the technical properties and the environmental advantages offered by these waterproofing sheets.

As one of the first manufacturers to see the possibilities offered by TPO (especially its environmentally friendly

properties), Polysystem developed the range of **Fortune** TPO products.

With the challenges of the future in mind, we have re-organised our product list, dividing the products into categories representing the use for which each is designed.

The new **Fortune** range, alongside the more traditional roof waterproofing membranes, **Fortune**, now also includes a range of **Fortune Hydro** products for hydraulic applications as well as **Fortune Sub** materials for use in underground conditions.

We are confident that our wide range of membranes and accessories for specific applications complete a product portfolio, which will meet all the requirements of our clients.

Fortune PN

Fortune PN is a waterproofing membrane reinforced with a polyester net, produced by co-extrusion of **Fortuline R** polyolefin alloy.

The upper and lower surfaces are coloured differently so that the integrity of the membrane layer can be monitored more easily during installation and service life.

Fortune PN membranes are ideal for use in roof waterproofing mechanically fastened, ballasted and roof garden.

Fortune PN have been designed to provide excellent resistance to the ageing effects of UV radiation and heat, and to ensure the longest possible service life even under the harshest conditions.

The polyester net reinforcement considerably increases the mechanical properties

Product benefits of Fortune PN



EXCELLENT ENVIRONMENTALLY FRIENDLY SOLUTION

Fortune membranes are 100% recyclable, (including packaging such as tapes and labels).



SUPERIOR SPEED AND SAFETY DURING INSTALLATION



EXCELLENT RESISTANCE TO HIGH AND LOW TEMPERATURE



SUPERIOR LIFE SPAN



EXCELLENT RESISTANCE TO UV RADIATION

Fortune, Hydro and **Pool** does not require any kind of protection and can be directly exposed to the elements.



EXCELLENT PUNCTURE RESISTANCE

Fortune performs excellently when mechanically fastened.



POLISYSTEM®



Fortune PN



Field of use

EN 13956

- roof waterproofing, exposed, mechanically fastened.
- roof waterproofing, covered, ballasted.
- roof waterproofing, covered, roof gardens.

Installation

Weld using hot air (indicative conditions:
350°C at 2m/min).

Standard colours

Grey top surface and black underneath (Signal Layer)
NB. Other colours available on demand.

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Characteristics	Norms	U.M.	Tolerance	Test results			
Standard thickness (1)	EN 1849-2	mm	-5%;+10%	1,20	1,50	1,80	2,00
Mass per unit area	EN 1849-2	kg/m ²		1,08	1,35	1,62	1,80
Tensile properties							
Max load (MD/CMD)	EN 12311-2 A	N/50mm	-20%	1100/1100			
Elongation at break (MD/CMD)		%	-15%	25/25			
Tear strength							
MD max load	EN 12310-2	N	≥	270	300	320	350
Elongation at break (MD/CMD)		N	≥	270	300	320	350
Static indentation	EN 12730-B	kg	≥	25			
Impact	EN 12691-B	mm	≥	1000	1250	1500	1750
Cold flexibility (2)	EN 495-5	°C	≤	-40			
Dimensional stability							
MD	EN 1107-2	%	≤	0,5			
CMD		%	≤	0,5			
Watertightness	EN 1928	kpa	≥	200			
Vapour permeability	EN 1931	μ	≤	50.000			
Shear of weldings	EN 12317-2			Pass			
Peeling of weldings	EN 12316-2	N/cm	≥	60			
Reaction to fire	EN 13501-1			E roof			
External fire performances	EN 13501-5			NPD			
Resistance to root penetration	EN 13948			NPD			
UV resistance	EN 1297			Pass			
Dangerous substances				The product don't contain hazardous substances			

Tolerances according EN 13956

- 1) Other thicknesses up to 3 mm available on demand
2) Not tested at lower temperature

Rev. 02/08

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