



## Product benefits of Fortune TNT



### 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.

## Fortune TNT

*Flexible polyolefin membranes (TPO) without reinforcement, laminated on the lower surface with a layer of non-woven polypropylene fabric. This is 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), Polisystem 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 TNT

**Fortune TNT** is a waterproofing membrane without reinforcement laminated on the lower surface with a layer of non-woven polypropylene fabric. This is 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.

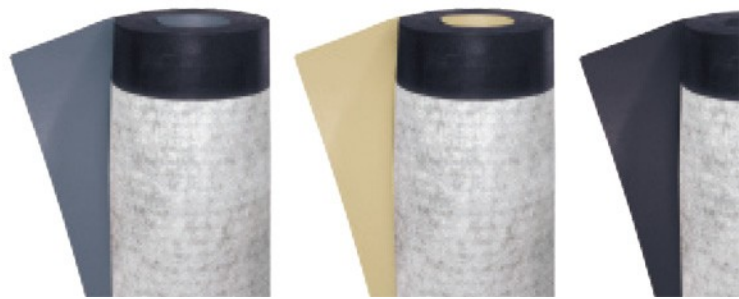
**Fortune TNT** membranes are ideal for use in roof waterproofing adhered, mechanically, fastened, ballasted and roof garden.

**Fortune TNT** 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 non-woven fabric layer, as well as providing a surface that is ideal for adhering, considerably increases the resistance of the waterproofing layer to puncture.



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## Field of use

### EN 13956

- roof waterproofing, exposed, adhered.
- 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.**

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 <sup>2</sup>		1,18	1,45	1,72	1,90
<b>Tensile properties (2)</b>							
Max load (MD/CMD)	EN 12311-2 B	N/mm <sup>2</sup>	≥	16/15			
Elongation at break (MD/CMD)		%	-15%	700/700			
<b>Tear strength</b>							
MD max load	EN 12310-2	N	≥	200	230	250	280
Elongation at break (MD/CMD)		N	≥	200	230	250	280
Static indentation	EN 12730-B	kg	≥	25			
Impact	EN 12691-B	mm	≥	1750	2000	2000	2500
Cold flexibility (3)	EN 495-5	°C	≤	-40			
<b>Dimensional stability</b>							
MD	EN 1107-2	%	≤	0,5			
CMD		%	≤	0,5			
Watertightness	EN 1928	kpa	≥	200			
Vapour permeability	EN 1931	μ	≥	90.000			
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) Value referred to the membrane without reinforcement
- 3) Not tested at lower temperature

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