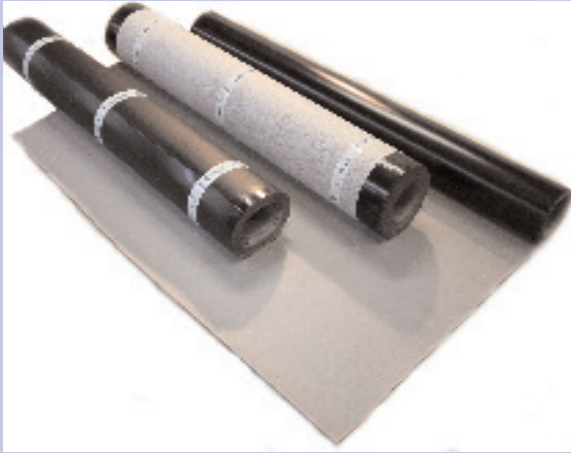


Enviroplan TPO FA Roofing Membrane



Flexible polyolefin membrane without reinforcement. Laminated on lower surface with a non-woven polypropylene fleece produced by co-extrusion of polyolefin alloy

For the last 20 years the European Single Ply market has seen a trend towards non-plasticised membranes such as Thermoplastic Polyolefin (TPO) sheets.

They offer the advantages of safe, simple, heat welding techniques without the negative environmental issues of other systems.

We are confident that the environmentally friendly range of Enviroplan TPO membranes meets the full requirements of the most discerning client.

Enviroplan TPO FA contains a non-woven polypropylene fleece providing a surface which is ideal for fully adhering and also increases the resistance of the waterproofing layer to puncture. Can be used to overlay failed PVC or bitumen systems without the need of a separation layer.

- Resistant to uv degradation. Membrane does not require any protection and can be exposed to the elements.
- Environmentally friendly solution. Enviroplan membranes are fully recyclable – including packaging, tapes and labels.
- Superior life expectancy. Minimum of 20 years.
BBA Approved.
- Simple and safe installation.
- Suitable for both new build or refurbishment projects.
- Wide range of fully compatible trims and accessories available.



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Enviroplan TPO FA



FIELD OF USE

EN 13956

- roof waterproofing, exposed, fully 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)
Available in three standard colours

STANDARD COLOURS

Pearl Grey, Lead Grey and Solar White.
nb: other colours available on demand
Any RAL colour available to special order

Characteristics	Norms	U.M.	Tolerance	Test results	
Standard thickness (1)	EN 1849-2	mm	-5%; +10%	1,20	1,50
Mass per unit area	EN 1849-2	kg/m ²		1,18	1,45
Tensile properties (2)					
Max load (MD/CMD)	EN 12311-2 B	N/mm ²	≥	570	500
Elongation at break (MD/CMD)		%	-15%	550	630
Tear strength					
MD max load	EN 12310-2	N	≥	200	230
Elongation at break (MD/CMD)		N	≥	200	230
Static indentation	EN 12730-B	kg	≥	25	
Impact	EN 12691-B	mm	≥	1750	2000
Cold flexibility (3)	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	≥	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 does not contain hazardous substances			

Tolerances according FN 13956

- 1) Other thicknesses up to 3mm available on demand
- 2) Value referred to the membrane without reinforcement
- 3) Not tested at lower temperature

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