




Enviroplan-TPO MF Roofing Membrane

Flexible polyolefin membrane reinforced with a glass net produced by co-extrusion of polyolefin alloy suitable for Mechanically Fastened applications .

- 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.

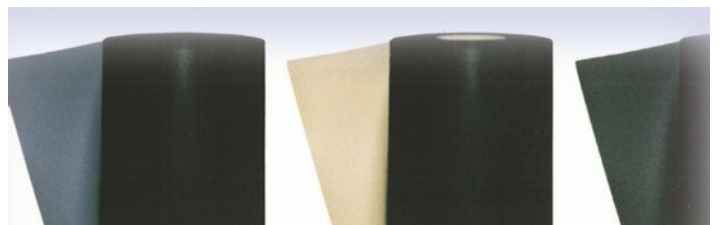


For the last 20 years the European Single Ply market has seen a trend towards non-plasticised membranes such as Thermoplastic Polyolefin (TPO) sheets.

They offer the advantages of safe, simple, heat welding techniques without the negative environmental issues of other systems. Mechanically Fastened systems benefit where speed of installation is a prime criteria.

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

Enviroplan-TPO MF contains a reinforced glass net which considerably increases the mechanical properties and also increasing the stability of the waterproofing layer in the presence of significant thermal movement. Can be used to overlay failed PVC or bitumen systems without the need of a separation layer.



Advanced
Single Ply Systems
Enviroplan TPO Membranes
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Enviroplan-TPO MF



FIELD OF USE	INSTALLATION	STANDARD COLOURS
EN13956 - roof waterproofing, exposed, mechanically fastened - roof waterproofing, covered, ballasted - roof waterproofing, covered, roof gardens	Weld using hot air (indicative conditions: 350°C at 2m/min) Available in three standard colours	Pearl Grey, Lead Grey and Solar White, all with black underside. nb: other colours available on demand Any RAL colour available to special order

Characteristics	Norms	U.M.	Tolerance	Test results	
Standard thickness(1)	EN1849-2	mm	-5%; +10%	1,20	1,50
Mass per unit area	EN1849-2	kg/m ²		1,08	1,35
Tensile properties					
Max load (MD/CMD)	EN12311-2A	N/50mm	≥	1100/800	
Elongation at break (MD/CMD)		%	≥	4.5	
Tear strength					
MD max load	EN12310-2	N	≥	270	300
Elongation at break (MD/CMD)		N	≥	320	350
Static indentation	EN12730-B	kg	≥	25	
Impact	EN12691-B	mm	≥	1000	1250
Cold flexibility(2)	EN495-5	°C	≤	-40	
Dimensional stability					
MD	EN1107-2	%	≤	0,2	
CMD		%	≤	0,2	
Water tightness	EN1928 kpa		≥	200	
Vapour permeability	EN1931	μ	≤	50.000	
Shear of weldings	EN12317-2			Pass	
Peeling of weldings	EN12316-2	N/cm	≥	60	
Reaction to fire	EN13501-1			E roof	
External fire performances	EN13501-5			NPD	
Resistance to root penetration	EN13948			NPD	
UV resistance	EN1297			Pass	
Dangerous substances The product does not contain hazardous substances					

Tolerances according FN 13956

1) Other thicknesses up to 3mm available on demand

2) Not tested at lower temperature

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