

Technical data sheet

BauderTHERMOPLAN TL

FPO Detailing membrane



06/06/2024

Product description	Unreinforced FPO single ply roofing membrane	
Application fields	This detailing membrane should be used around penetrations and at details where movement of the structure(s) is likely.	
Surface	top:	silver grey RAL 7001
	bottom:	black
Reinforcement type and weight	unreinforced	
Article number	6601 1050	



Characteristic	Test method	Unit	Value
Visible defects	EN 1850-2	-	no visible defects
Length	EN 1848-2	m	10(-0/+5%)
Width	EN 1848-2	m	0,5(-0,5/+1%)
Straightness	EN 1848-2	mm	< 30
Flatness	EN 1848-2	mm	< 10
Mass per unit area	EN 1849-2	kg/m ²	1,7(-5/+10%)
Effective thickness	EN 1849-2	mm	1,8 (-5/+10%)
Water tightness	EN 1928 - B	-	passed
Reaction to fire	EN 13501-1	-	class E
Joint peel resistance	EN 12316-2	N/50mm	≥300
Joint shear resistance	EN 12317-2	N/50mm	≥350
Tensile strength ld	EN 12311-2 B	N/mm ²	≥10
Tensile strength td	EN 12311-2 B	N/mm ²	≥10
Elongation ld	EN 12311-2 B	%	≥600
Elongation td	EN 12311-2 B	%	≥600
Tear resistance (length)	EN 12310-2	N	> 150
Tear resistance (transversal)	EN 12310-2	N	> 150
Resistance to root penetration	EN 13948/FLL	-	NPD
Dimensional stability ld	EN 1107-2	%	≤1
Flexibility at low temperature	EN 495-5	°C	≤ -30
UV exposure	EN 1297	-	passed (> 5000 h)
Water vapour transmission	EN 1931	-	200000 (±30%)

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Characteristic	Test method	Unit	Value
sd-value	EN 1931	m	360
Exposure to bitumen	EN 1548	-	passed
External fire performance	CEN/TS 1187	-	not applicable

Product storage guidance	Store the materials outdoors, laid horizontal/flat and off the ground with suitable robust UV resistant, flame-retardant tarpaulin. Ensure the product(s) are clear of buildings and any other storage areas. Where there are storage containers on site, these may be suitable for storing products.
Pallet size	Pallet size = 60 rolls/300m ² per pallet
Packaging material	The product will be delivered on wooden pallets with polyethylene overwrap to protect the product. Each roll has a recycled cardboard core. Recycled nylon straps contain the rolls on a pallet.
Handling/PPE	All persons using the product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using/handling the product, installers should be provided with, and wear, suitable personal protective equipment.
Disposal guidance	Waste of the product is not a hazardous substance. Observe local regulations. European Waste Catalogue EWC number 170203 "Plastic Mirror Non hazardous"
Re-use options of product	Please refer to EPD stated below in Certification and environmental information.
Further information/documents	Current documents such as DoC's, DoP's (where relevant), brochures, installation guides, etc. can be found by visiting www.bauder.co.uk
Certification and environmental information	<p>BBA Certificate No.: 04/4120</p> <p>FM Approval: Not applicable</p> <p>Environmental Product Declaration: EPD-BAU-20130189-IBCC-DE</p> <p>International Standards Organisation (ISO): ISO 9001:2015 Quality Management Certificate 70499/03-15_e (Germany)</p> <p>ISO 14001:2015 Environmental Management Certificate 70499/03-15_d (Germany)</p> <p>ISO 50001: 2011 Energy Management Certificate 70499/03-15_c (Germany)</p>
Safety Data Sheet	Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as an article; therefore, this product does not have a requirement for a Safety Data Sheet.