

Technical data sheet

BauderTHERMOPLAN T 15 V

Fleece-Backed FPO Roofing membrane



V5 16/11/2022

Product description	Polyester reinforced flexible polyolefin membrane (FPO), an alloy of thermoplastic and rubber. A polyester fleece is laminated to the underside of the membrane in factory conditions.	
Application fields	Fleece-Backed membrane can be adhered, mechanically fastened or loose-laid ballasted. Can be used under green roof landscaping finish.	
Surface	top:	pearl white RAL 1013
	bottom:	fleece backed
Reinforcement type and weight	synthetic reinforced polyester	
Fleece backing type and weight	Polyester 250g/m ²	
Article number	6625 0150	



Characteristic	Test method	Unit	Value
Visible defects	EN 1850-2	-	no visible defects
Length	EN 1848-2	m	20(-0/+5%)
Width	EN 1848-2	m	1,5(-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	2,1(-5/+10%)
Effective thickness	EN 1849-2	mm	2,0(-5/+10%)
Overall thickness	EN 1849-2	-	3.50
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	≥500
Tensile strength Id	EN 12311-2 A	N/50mm	≥1200
Tensile strength td	EN 12311-2 A	N/50mm	≥1200
Elongation Id	EN 12311-2 A	%	≥19
Elongation td	EN 12311-2 A	%	≥19
Resistance to impact hard surface	EN 12691	mm	≥800
Resistance to impact soft surface	EN 12691	mm	≥1250
Resistance to static loading hard surface	EN 12730	kg	≥20



Notified body: MFPA Leipzig, 0800
EN 13956 : 2012, EN 13967 : 2012



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Characteristic	Test method	Unit	Value
Resistance to static loading soft surface	EN 12730	kg	≥20
Tear resistance (length)	EN 12310-2	N	> 550
Tear resistance (transversal)	EN 12310-2	N	> 550
Resistance to root penetration	EN 13948/FLL	-	passed
Dimensional stability	EN 1107-2	%	≤0,3
Flexibility at low temperature	EN 495-5	°C	≤ -30
UV exposure	EN 1297	-	passed (> 5000 h)
Durability Watertightness after artificial ageing	EN 1296 - EN 1928 (B 24h/60kpa)	-	passed
Durability Watertightness after exposure to chemicals	EN 1847 - EN 1928 (B 24h/60kpa)	-	passed
Hail resistance hard surface	EN 13583	m/s	≥25
Hail resistance soft surface	EN 13583	m/s	≥39
Water vapour transmission	EN 1931	m	200000 (±30%)
Exposure to bitumen	EN 1548	-	passed
Nail Shaft test	EN 12310-1	N	> 600
External fire performance	CEN/TS 1187	-	Product has been fire tested as part of a system assembly and this information can be obtained in the Fire Test Report available from Bauder Ltd

Product surface finish	BauderTHERMOPLAN T15 V membrane has a fleece free side lap (selvedge) for hot air welding. For cross joints & roll ends 200mm width Thermoplan coverstrip must be used.
Product storage guidance	Store single-ply membranes in clean, dry conditions. Leave membrane in its original packaging until installation to reduce requirement for seam activation/cleaning.
Pallet size	Pallet size = 9 rolls/270m 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 the product, installers should be provided with, and wear, suitable personal protective equipment.
Shelf life	When stored correctly, the product has no stated shelf life, however, for extended periods beyond 5 years, we would suggest additional installation techniques may be required.
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	BBA Certificate No.:



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information

04/4120

FM Approval:

Not applicable

Environmental Product Declaration:

EPD-BAU-20130189-IBCC-DE

International Standards Organisation (ISO):

ISO 9001:2015 Quality Management
Certificate 70499/03-15_e (Germany)

ISO 14001:2015 Environmental Management
Certificate 70499/03-15_d (Germany)

ISO 50001: 2011 Energy Management
Certificate 70499/03-15_c (Germany)

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.



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