## Technical data sheet BauderTHERMOFOL U 15 V FR Fleece-Backed PVC Roofing membrane



V5 16/11/2022

Product description	Polyester the under		
Application fields	Fleece-Balloose-laid		
Surface	top:	blue grey RAL 7031	
	bottom:	fleece backed	
Reinforcement type and weight	synthetic reinforced polyester		
Fleece backing type and weight	Polyester 250g/m²		
Article number	6215 615		

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/m²	2(-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	≥200
Joint shear resistance	EN 12317-2	N/50mm	≥600
Tensile strength ld	EN 12311-2 A	N/50mm	≥1100
Tensile strength td	EN 12311-2 A	N/50mm	≥1100
Elongation Id	EN 12311-2 A	%	≥20
Elongation td	EN 12311-2 A	%	≥20
Resistance to impact hard surface	EN 12691	mm	≥700
Resistance to impact soft surface	EN 12691	mm	≥1000
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	> 300
Tear resistance (transversal)	EN 12310-2	N	> 300
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, class 0 ( > 1000 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	≥24
Hail resistance soft surface	EN 13583	m/s	≥46
Water vapour transmission	EN 1931	m	20000 (±30%)
Nail Shaft test	EN 12310-1	N	> 500
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**BauderTHERMOFOL U15 V FR membrane has a fleece free side lap (selvedge) for hot air welding. For cross

joints & roll ends 200mm width Thermofol 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 = 10 rolls/300m² 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.

visiting www.bauder.co.uk

Certification and environmental

information

**BBA Certificate No.:** 

06/4354

FM Approval:





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**Environmental Product Declaration:** 

EPD-BAU-20130189-IBCC-DE

International Standards Organisation (ISO):

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

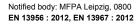
ISO 14001:2015 Environmental Management Certificate 70499/03-15 d (Germany)

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







Notified body: BBA 0836 BS EN 13956