

Technical data sheet


BauderTHERMOFOL U 12 FR

PVC Roofing membrane



V4 16/11/2022

Product description	Polyester reinforced PVC-P single ply roofing membrane.	
Application fields	Membrane can be mechanically fastened, adhered or loose-laid ballasted.	
Surface	top:	light grey RAL 7035
	bottom:	dark grey
Reinforcement type and weight	synthetic reinforced polyester	
Article number	6112 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	1,4(-5/+10%)
Effective thickness	EN 1849-2	mm	1,2 (-5/+10%)
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	≥1000
Tensile strength td	EN 12311-2 A	N/50mm	≥1000
Elongation ld	EN 12311-2 A	%	≥19
Elongation td	EN 12311-2 A	%	≥19
Resistance to impact hard surface	EN 12691	mm	≥300
Resistance to impact soft surface	EN 12691	mm	≥600
Resistance to static loading hard surface	EN 12730	kg	≥20
Resistance to static loading soft surface	EN 12730	kg	≥20
Tear resistance (length)	EN 12310-2	N	> 200



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



Notified body: BBA 0836
BS EN 13956

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Characteristic	Test method	Unit	Value
Tear resistance (transversal)	EN 12310-2	N	> 200
Resistance to root penetration	EN 13948/FLL	-	NPD
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	≥23
Hail resistance soft surface	EN 13583	m/s	≥38
Water vapour transmission	EN 1931	m	20000 (±30%)
Nail Shaft test	EN 12310-1	N	> 250
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 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 = 20 rolls/600m² 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

BBA Certificate No.:
06/4354

FM Approval:

BauderTHERMOFOL U membrane is part of a series of FM-global tested assemblies.

Environmental Product Declaration:

EPD-BAU-20130189-IBCC-DE

International Standards Organisation (ISO):

ISO 9001:2015 Quality Management



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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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