

Technical data sheet

BauderSYN DB-PE 100

Polyethylene AVCL



24/03/2026

Product description	Polyethylene air & vapour control layer to be loose laid under BauderTHERMOFOL mechanically fastened installations
Surface	Plain foil
Colour	Blue
Article number	6900 0025
Website link	https://www.bauder.co.uk/products/syn-db-pe-100



Characteristic	Test method	Unit	Value
Visible defects	EN 1850-2	-	no visible defects
Length	EN 1848-2	m	25
Width	EN 1848-2	m	4
Mass per unit area	EN 1849-2	g/m ²	150 (+/-7%)
Effective thickness	EN 1849-2	mm	0,15
Water tightness	EN 1928 - B	-	passed
Reaction to fire	EN 13501-1	-	class E
Heating value	EN 13431	MJ/m ²	<11,6
Joint shear resistance	EN 12317-2	N/50mm	NPD
Tensile strength ld	EN 12311-2 B	N/50mm	≥170
Tensile strength td	EN 12311-2 B	N/50mm	≥140
Elongation ld	EN 12311-2 B	%	≥490
Elongation td	EN 12311-2 B	%	≥550
Resistance to impact hard surface	EN 12691	mm	≥300
Tear resistance (length)	EN 12310-2	N	> 120
Tear resistance (transversal)	EN 12310-2	N	> 120
Diffusion equivalent air layer thickness sd	EN 1931	m	≥ 100
Durability after artificial ageing	EN 1296	-	passed
Package size	-	-	100 m ²
External fire performance	CEN/TS 1187	-	not applicable

Normative references

For undated references, the latest edition of the referenced document (including any amendments) applies.



Notified body: SKZ TeConA GmbH , NB 1213
EN 13984

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Installation guidance	Polyethylene AVCL joints should overlap a minimum of 100 mm and be taped in the field sheet with BauderSYN VK-T 38. Use BauderSYN BU-T 15 for upstands. Not uv stable, product should be covered immediately.
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 = 54 rolls/ 5400 m 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.
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
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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