

# Technical data sheet

## BauderSYN DB-PE 100

### Polyethylene AVCL



V3 22/11/2022

<b>Product description</b>	Polyethylene air & vapour control layer to be loose laid under BauderTHERMOFOL mechanically fastened installations
<b>Surface</b>	Plain foil
<b>Colour</b>	blue
<b>Article number</b>	6900 0025



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 <sup>2</sup>	150(+/-7%)
Effective thickness	EN 1849-2	mm	0,16
Water tightness	EN 1928 - B	-	passed
Reaction to fire	EN 13501-1	-	class E
Heating value	EN 13431	MJ/m <sup>2</sup>	<11,6
Joint shear resistance	EN 12317-2	N/50mm	NPD
Tensile strength Id	EN 12311-2 B	N/50mm	≥170
Tensile strength td	EN 12311-2 B	N/50mm	≥140
Elongation Id	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
Water vapour transmission	EN 1931	m	> 120
Diffusion equivalent air layer thickness sd	EN 1931	m	100
Durability after artificial ageing	EN 1296	-	passed
Package size	-	-	100 m <sup>2</sup>
External fire performance	CEN/TS 1187	-	not applicable



Notified body: SKZ TeConA GmbH , NB 1213  
BS EN 13984



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<b>Installation guidance</b>	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.
<b>Product storage guidance</b>	Store single-ply membranes in clean, dry conditions. Leave membrane in its original packaging until installation to reduce requirement for seam activation/cleaning.
<b>Pallet size</b>	Pallet size = 54 rolls/ 5400 m <sup>2</sup> per pallet
<b>Packaging material</b>	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.
<b>Handling/PPE</b>	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.
<b>Disposal guidance</b>	Waste of the product is not a hazardous substance. Observe local regulations. European Waste Catalogue EWC number 170203 "Plastic Mirror Non hazardous".
<b>Further information/documents</b>	Current documents such as DoC's, DoP's (where relevant), brochures, installation guides, etc. can be found by visiting <a href="http://www.bauder.co.uk">www.bauder.co.uk</a>
<b>Safety Data Sheet</b>	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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