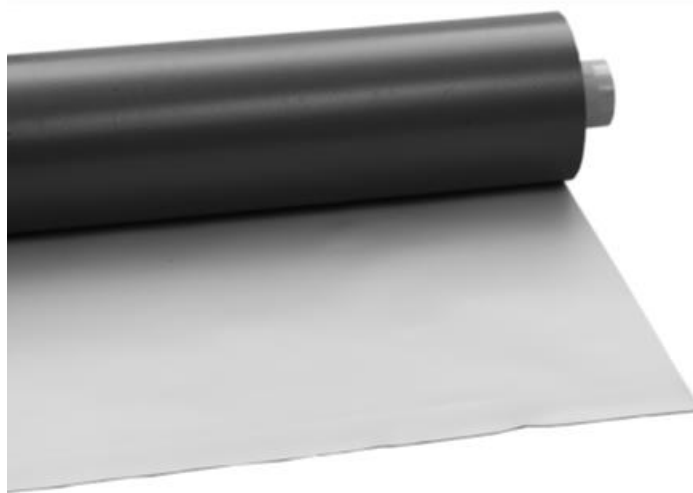





## PRODUCT DATA SHEET

**Bauder Thermofol U18 Membrane**

Bauder Thermofol U18 Membrane is a 1.8mm gauge polyester reinforced Poly Vinyl Chloride membrane (PVC). The product is highly flexible due to the incorporation of internal plasticizers during the manufacturing process. This combination of materials gives high tensile strength, good thermal stability, chemical resistance and flexibility.



PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Weights and Sizes	Unit	Value
Roll width	m	1.5
Roll length	m	20
Thickness	mm	1.8
Weight	kg/m <sup>2</sup>	2.10
Reinforcement		Pre-coated cross-weave polyester

SURFACE FINISHES	MEMBRANE COLOURS
Top:	Light Grey – RAL 7035 
	Blue Grey – RAL 7031 
	Anthracite – RAL 7016 
Bottom:	Dark Grey

**UNITED KINGDOM**

Bauder Ltd  
70 Landseer Road, Ipswich, Suffolk IP3 0DH  
T: +44 (0)1473 257671 E: [info@bauder.co.uk](mailto:info@bauder.co.uk)  
[bauder.co.uk](http://bauder.co.uk)

**IRELAND**

Bauder Ltd  
O'Duffy Centre, Carrickmacross, Co. Monaghan  
T: +353 (0)42 9692 333 E: [info@bauder.ie](mailto:info@bauder.ie)  
[bauder.ie](http://bauder.ie)

## PRODUCT DATA SHEET

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE			
Characteristics	Test method	Unit	Value
External fire performance*	EN 13501-5		No performance declared
Reaction to fire	EN 13501-1		Class E according to EN 13501-1
Watertightness method B			Passed
Tensile force	md	N/mm	≥ 1000/50
	cd	N/mm	≥ 1000/50
Elongation at maximum tensile force	md	%	≥ 19
	cd	%	≥ 19
Root Resistance			FLL Fulfilled
Resistance to impact	Hard surface	mm	> 500
	Soft surface	mm	> 800
Resistance to static loading	Hard surface	kg	≥ 20
	Soft surface	kg	≥ 20
Tear resistance		N	> 200
Joint peel resistance		N/mm	≥ 200/50
Joint shear resistance		N/mm	≥ 600/50
Durability		h	Passed
Foldability		°C	≤ -30
Dangerous substances			No performance declared

\* Determination of external fire performance is a system test, which can be influenced by system components, which are not produced or sold by Bauder Limited, thus performance for each product cannot be given.

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
BBA Certificate	BBA Fire Rating – Test results indicate the product to be designated as being Un-Restricted  06/4354
FM Certificate	Assembly 229709 (other assemblies available)
Environmental Product Declaration (EPD)	EPD -BAU-20130188-IBCC0DE
International Standards Organisation (ISO)	ISO 9001:2015 Quality Management Certificates EN1271 (UK) and 70499/03-15_e (Germany).  ISO 14001:2015 Environmental Management Certificates A10552 (UK) and 70499/03-15_d (Germany).  ISO 50001: 2011 Energy Management Certificate 70499/03-15_c
BRE Green Guide generic product rating	A+

INSTALLATION GUIDANCE
Refer to the PVC Application Instructions Bauder Thermofol Guide.

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[bauder.ie](http://bauder.ie)