

PRODUCT DATA SHEET




Bauder Thermofol U15 FR Fleece-Backed Membrane

Bauder Thermofol U15 FR Fleece-Backed Membrane is a 1.5mm polyester reinforced Poly Vinyl Chloride membrane (PVC).

The underside of the membrane has a polyester fleece laminated to it in factory conditions. 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. The membrane is primarily employed in adhered installation. Can be bonded directly to aged bitumen.



PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Weights and Sizes	Unit	Value
Roll width	m	1.5
Roll length	m	20
Thickness	mm	3.5mm (inc 2mm fleece)
PES fleece weight	g/m ²	220
Weight	kg/m ²	2.00
Reinforcement		Pre-coated cross-weave polyester

SURFACE FINISHES	MEMBRANE COLOURS
Top:	Light Grey – RAL 7035 U15 Fleece-Backed 
	Blue Grey – RAL 7031 U15 Fleece-Backed 
	Anthracite – RAL 7016 U15 Fleece-Backed 
Bottom:	Polyester Fleece

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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	≥ 1100/50
	cd	N/mm	≥ 1100/50
Elongation at maximum tensile force	md	%	≥ 20
	cd	%	≥ 20
Root Resistance			FLL Fulfilled
Resistance to impact	Hard surface	mm	> 700
	Soft surface	mm	> 1000
Resistance to static loading	Hard surface	kg	≥ 20
	Soft surface	kg	≥ 20
Tear resistance		N	> 300
Joint peel resistance		N/mm	≥ 200/50
Joint shear resistance		N/mm	≥ 600/50
Durability		h	> 1000 - 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
Environmental Product Declaration (EPD)	EPD -BAU-20130188-IBCC-DE
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 Thermofol Single Ply Installation Guide

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at technical@bauder.co.uk

Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.

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