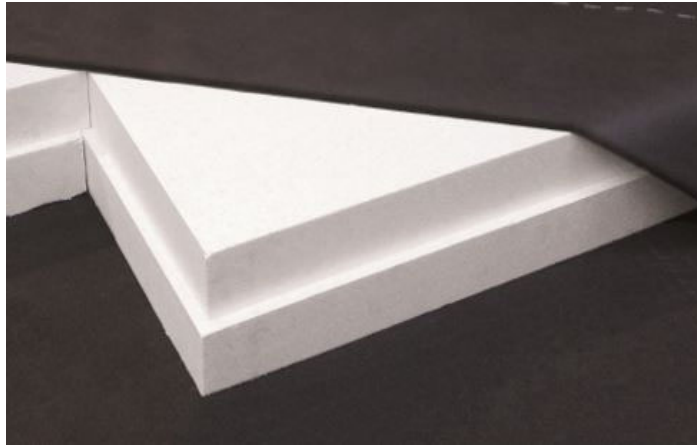


TECHNICAL DATA SHEET

## BauderJFRI WFRL Membrane (Water Flow Reducing Layer)

**Product Description** - Flexible sheet of polypropylene strands randomly spun-bonded. UV stabilized to reduce degradation by sunlight. Resistant to passage of liquid water. Membrane is breathable, therefore will not create a condensation trap within the construction. Minimizes insulation thicknesses required to achieve specified u-values by reducing the cooling effect of rainwater build up between waterproofing and insulation.



**Application Fields** - It is supplied as part of the BauderJFRI and BauderGLAS Inverted Insulation Systems situated on top of the inverted insulation and under the specified surfacing.

For a comprehensive NBS J31 Specification contact Bauder technical department.

### PRODUCT INFORMATION AND TECHNICAL PERFORMANCE

Characteristic	Test Method	Unit	Value
Width	EN 13111	m	3.0
Length		m	100
Thickness		mm	0.45
Weight		kg/m <sup>2</sup>	0.1
Colour			Black
Water vapour resistance	BS EN ISO 12572	MNs/g	0.011
Reaction to fire	BS EN 13501-1		Euroclass E
Properties in relation to fire	European Commission Directive 2000/553/EC		Unrestricted with stone, screed, or paving cover (KIWA Certificate BAR-19-098-S-A-UK Section 2.1.12 Fire Performance)

### SURFACE FINISH/COLOUR

Top			Embossed Dark Grey
Bottom			Grey

## TECHNICAL DATA SHEET

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
BBA Certificate	KIWA BDA Agreement BAR-19-098-S-A UK BBA Certificate 21/5944 product sheets 1 & 2
Environmental Product Declaration (EPD)	-
Declaration of Performance (DoP)	201013800001
Declaration of Conformity (DoC)	Pending
International Standards Organisation (ISO)	ISO 9001:2015 Quality Management Certificates GB 2005746  ISO 14001:2015 Environmental Management Certificates EM 2001097
Recyclability	100%

INSTALLATION GUIDANCE
<ol style="list-style-type: none"> <li>BauderJFRI WFRL Membrane should be loose-laid over the insulation.</li> <li>Where one run of membrane overlaps another, there should be minimum 300 mm side and end laps.</li> <li>Upper layers of the membrane should be laid over lower layers to ensure water penetration is minimised.</li> <li>At junctions, e.g. upstands, parapets and penetrations, BauderJFRI WFRL Membrane should be turned up to finish above the surface of the ballast or paved layer.</li> <li>BauderJFRI WFRL Membrane should be carefully cut and sealed at drainage outlets and penetrations.</li> <li>BauderJFRI WFRL Membrane should be turned up at the edges of the roof insulation and terminated at the level of the surfacing finish.</li> <li>Bauder recommends that roofs be designed such that they avoid standing water.</li> <li>Cutting should be carried out using a sharp knife.</li> </ol>

TRANSPORT
<p>BauderJFRI WFRL is generally transported with related BauderJFRI products on artic curtain sided vehicles with no offload facility.</p> <p>BauderJFRI WFRL is not palletised.</p> <p>Smaller specialist vehicles such as rigid/moffett/flat bed/pump truck &amp; tail lift are available.</p> <p>It is also possible to send BauderJFRI WFRL via overnight courier.</p>

PRODUCT STORAGE GUIDANCE
<p>The product should be stored dry, protected against weathering, and must not be exposed to temperatures exceeding 35°C. The products must not be exposed to a direct naked flame or other ignition sources, or to solvents or other chemicals. Ensuring the product(s) are clear of buildings and any other storage areas.</p> <p>Damaged product must not be used.</p>

PACKAGING MATERIAL
<p>The polyethylene packaging of BauderJFRI WFRL, which is recyclable, should not be considered adequate for outdoor protection and is delivered to site on pallets.</p>

HANDLING/PPE
<p>All persons using this product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using this product, installers should be provided with, and wear, suitable personal protective equipment. There are no requirements for special PPE when installing or cutting BauderJFRI WFRL.</p>

SHELF LIFE
<p>When stored correctly, the product has no stated shelf life.</p>

DISPOSAL GUIDANCE
<p>Bauder reserves the right to update this data set without prior notice and this document is uncontrolled if printed or stored. Always confirm the latest version is used for the adoption of this product, available from our website: <a href="http://bauder.co.uk/technical">bauder.co.uk/technical</a> centre.</p> <p>Intended use of this product should be verified with Bauder to ensure suitability and compliance with applicable guidance, regulations, legislations, project requirements, specifications, and installation techniques.</p>

## TECHNICAL DATA SHEET

Off-cuts need to be disposed via an authorised disposal contractor to an approved waste disposal site, observing all relevant regulations. (European waste catalogue EWC number 17 02 03 "Plastic").

### RE-USE OPTIONS OF PRODUCT

BauderJFRI WFRL is 100% recyclable.

### FURTHER INFORMATION/DOCUMENTS

Current documents such as brochures, installation guides, etc can be found by visiting [www.bauder.co.uk](http://www.bauder.co.uk)

**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.**



Can be found via the website



Pending