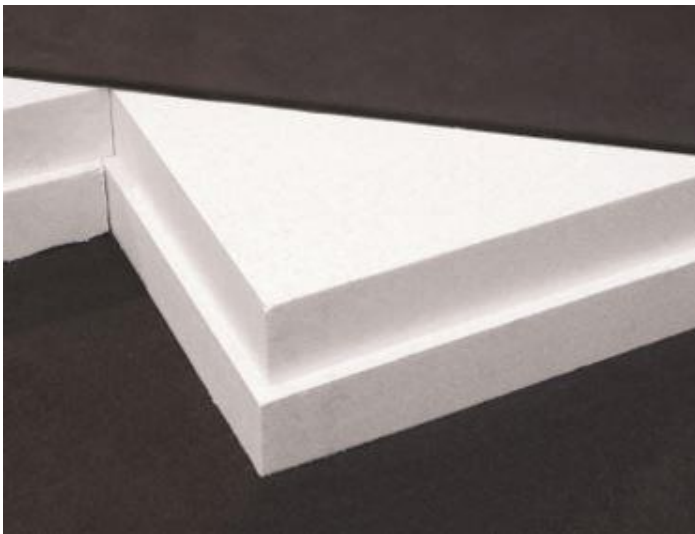


PRODUCT DATA SHEET

Bauder JFRI (300) Inverted Insulation

An environmentally friendly, high performance rigid expanded polystyrene (EPS) insulation, which is very lightweight and has a higher compressive strength than the (200) grade. The product is rebated on all four sides to ensure thermal continuity. It is CFC and HCFC free, with a Global warming potential less than 5Kg CO₂.

This product is for use with inverted (protected membrane) roof constructions and can be laid directly onto Bauder Hot Melt and Bitumen Based Waterproofing Membranes. Contact Bauder for advice relating to other membrane types.



Intended Use

Use in conjunction with Bauder JFRI Vapour Permeable Membrane Layer (WFRL) prior to installing paving, decking, ballast or green roof.

Use in conjunction with Bauder JFRI HP Plus 60mm Uprand Board to exposed vertical upstands.

For a comprehensive NBS J31 Specification contact Bauder Technical.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Characteristic	Unit	Value
Dimensions		
Width	mm	1215 (including 15 rebate)
Length	mm	1215 (including 15 rebate)
Coverage	m ²	1.44
Thickness	mm	100, 120, 140, 160, 180, 200, 230, 240
Weight	kg/m ³	40
Thermal Conductivity		
Declared thermal conductivity	W/mK	0.033
Design thermal conductivity	W/mK	0.038
Mechanical Properties		
Compressive strength	N/mm ²	0.30 with 10% nominal compression
Compressive creep	N/mm ²	0.09 with 2% compression
Moisture Properties		
Long term water absorption by immersion to BS EN 12087		≤1%
Long Term Water absorption by diffusion to BS EN 12088		≤1%
Fire Properties		
Reaction to Fire - Classification to BS EN 13501-1	Euroclass E	
External Fire Performance to ENV1187 Test 4		Designated Broof(t4) (low vulnerability in Scotland) which is without restriction when used within a ballasted inverted roof construction as described in European Commission Directive 200/553/EC

UNITED KINGDOM

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PRODUCT DATA SHEET

SURFACE FINISH	
Top:	Un-faced
Bottom:	Un-faced
Colour:	White

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
BBA Certificate	01/3812 Product Sheet 5
International Standards Organisation (ISO)	ISO 9001:2015 Quality Management Certificates EN1271 (UK) ISO 14001:2015 Environmental Management Certificates A10552 (UK)
BRE Green Guide generic product rating	A (www.bre.co.uk/greenguide element number 1315320001)
Ozone depletion potential (ODP)	Zero
Global Warming Potential (GWP)	<5 kg CO ₂ Eq./kg
Recyclability	100%

INSTALLATION GUIDANCE
<ol style="list-style-type: none">JFRI (300) Inverted Roof Insulation is installed loose laid over the weatherproofing, ensuring all overlap joints are tightly butted together.Boards are laid in a staggered pattern starting from the point of access to the roof, when using a second layer stagger joints of insulation from first layer.Only install amount of Jablite (300) Insulation that can be ballasted, paved or green roof installed in the same day.JFRI (300) Inverted Roof Insulation should always have a JFRI Vapour Permeable Membrane (WFRL) loose laid to its upper surface.JFRI Vapour Permeable Membrane (WFRL) is loose laid over the insulation running across the fall of the roof with 300mm overlaps. The membrane is turned up at all roof penetrations and upstands to a height to ensure it finishes above the top level of the ballast or paving.Upstands can be finished using JFRI HP Plus 60mm Upstand Boards (fixing depends on height of upstand) to reduce the risk of cold bridging. The top of the JFRI HP Plus 60mm Upstand Boards must be at least 150mm above the top level of the surface finish.The JFRI HP Plus 60mm Upstand Boards utilise friction fit cover strips and must be fixed to all vertical edges of the JFRI HP Plus 60mm Upstand Boards to prevent weathering.

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STORAGE & HANDLING

- JFRI Inverted Roof Insulation boards are shrink wrapped in polythene and delivered to site on pallets. Each pack shows the manufacturer's name, grade, type marking, and the BBA logo incorporating the number of this Certificate.
- Boards must be protected from prolonged exposure to sunlight and should be stored under cover or protected with light-coloured opaque polythene sheets.
- Boards must be stored flat, off the ground, on a clean, level surface and under cover to protect them from high winds.
- Care must be taken to avoid contact with solvents and materials containing organic components.
- Boards contain a flame-retardant additive to inhibit accidental ignition from small fire sources, it is combustible and should not be exposed to open flame or other ignition sources.
- Damaged boards must not be used.

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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