

DECLARATION OF PERFORMANCE



No:	13189450
1. Unique identification code of the product-type:	Bauder JFRI Inverted Insulation Grades EPS 200 and 300
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4) of the CPR:	Bauder JFRI
3. Intended use or uses of the construction product, in accordance with the harmonised technical specification, as foreseen by the manufacturer:	Shape moulded, modified beads of EPS insulation for use on inverted roofs
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):	Bauder Ltd 70 Landseer Road Ipswich Suffolk IP3 0DH
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):	Not Applicable
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	AVCP System 3
7. In case of the declaration of performance of the construction product covered by a harmonised standard: - name and number of notified body:	British Board of Agrément; BRE (RtF)
- performed:	Reaction to Fire Thermal Conductivity Compressive Strength
- under system:	System 3
- and issued:	Test report on application

Declared Performance

Essential Characteristic	Performance	Harmonised technical standard
Length and width	L2 & W2	BS EN 13163:2012
Thickness	T2	
Squareness	S2	
Flatness	P5	
Reaction to Fire	Euroclass E	BS EN 13501-1:2007
Thermal Conductivity - Declared	0.033W/mK	BS EN 13163:2012
Thermal Resistance	See table 3	BS EN 13163:2012
Compressive Strength at 10% deformation	200 & 300 kN/m ²	BS EN 12086:2013
Compressive Creep	CC(2/1.5/50)60 CC(2/1.5/50)90	BS EN 1603:2013
Deformation under specified compressive load and temperature	≤5%	BS EN 1605:1997
Dimensional stability	DS(70,90)1	BS EN 1604:1997
Long-term water absorption by diffusion	WD(V)3	BS EN 12088:1997
Long-term water absorption by immersion	WL(T)2	BS EN 12087:1997
Thickness	100mm – 250mm in 5mm increments	BS EN 823:2013
Chemical resistance	On application	-
Compatibility with other components	On application	-

Table 3 - Thermal Resistance m²K/W

Nominal Thickness mm	Thermal Resistance m ² K/W Declared
50	1.5152
100	3.0303
105	3.1818
110	3.3333
115	3.4848
120	3.6364
125	3.7879
130	3.9394
135	4.0909
140	4.2424
145	4.3939
150	4.5455
155	4.6970
160	4.8485
165	5.0000
170	5.1515
175	5.3030
180	5.4545
185	5.6061
190	5.7576
195	5.9091
200	6.0606
205	6.2121
210	6.3636
215	6.5152
220	6.6667
225	6.8182
230	6.9697
235	7.1212
240	7.2727
245	7.4242
250	7.5758

The performance of the product identified in points 1 and 2 is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

On behalf of the manufacturer by:

Date of Issue:

Paul Felgate, R&D Manager

1st July 2013