



Declaration of Performance

Bauder XPS(CO2) Insulation

DoP No. XPS(CO2).001

1.	Unique identification code of the product-type	Bauder XPS(CO2)
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	See product label and marking on boards
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Bauder Limited 70 Landseer Road Ipswich IP3 0DH
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	AVCP 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	EN 13164 NB 1168 AFITI LICOF NB 1169 CEDEX NB 1722 CEIS
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	Not relevant

9. Declared performance

Essential characteristics	Performance		Harmonised technical specification	
Thermal resistance RD ((m ² .K)/W)	d _N 50- 200mm	1.15 – 3.30	EN 13164:2012	EN 12667 EN 12939
Thermal conductivity λD (W/(m.K))	40 – 60mm 61 – 120mm	0.034 W/mK 0.036 W/mK		
Length & Width	≤1500mm >1500mm	±8.0mm ±10.0mm		EN 822
Squareness	Length Width	≤5mm/m ≤5mm/m		EN 824
Flatness	≤ 1500mm >1500mm	≤6mm/m ≤6mm/m		EN 825
Thickness	d _N < 50mm d _N 50-120mm	T1; ±2mm T1; -2 +3mm		EN 823
Reaction to fire	Reaction to Fire	E		EN 13501-1
Reaction to fire – end use	Reaction to fire – end use	NPD		EN 15715
Water vapour transmission	NPD			EN 12086
Compressive strength (kPa)	CS(10\Y)300			EN 826
Long term water absorption by total immersion	WL(T)0.7			EN 12087
Long term water absorption by diffusion	WD(V)3			EN 12088
Freeze thaw resistance after long term water absorption by diffusion	FTCD1			EN 12091
Dimensional stability under specified temperature and humidity conditions	48 h, 70 °C, 90 % R.H.	DS(70,90)	EN 1604	
Deformation under specified compressive load and temperature conditions	40 kPa, 70 °C, 168 h	DLT(2)5	EN 1605	

Where pursuant to Article 37 or 38, the Specific Technical Documentation has been used, the requirements with which the product complies:

Not relevant

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Paul Felgate

R & D Manager
1/7/2013