



# Declaration of Performance

## BauderROCK Insulation

DoP No. WER-0144

1.	Unique identification code of the product-type	<b>BauderROCK</b>
2.	Type, and serial number allowing identification of the product	<b>See product label for BauderROCK Insulation.</b>
3.	Intended use of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	<b>Thermal insulation for buildings</b>
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	<b>Bauder Limited 70 Landseer Road Ipswich IP3 0DH</b>
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	<b>Not relevant</b>
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	<b>System 1 + and System 3</b>
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	<b>EN 13162:2012 Notified Certification body No. 0086 performed, carried out the initial type testing, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issues the Certificate of Constancy of Performance 0086 CPR 461281.</b>
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	<b>Not relevant</b>

9. Declared performance: (NPD – no performance declared)

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonised standard EN 13162:2012	Declared value / NPD
Reaction to fire	4.2.8 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	-	NPD
Acoustic absorption index	4.3.11 Sound absorption	Declared $\alpha_p$ and $\alpha_w$	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared S	NPD
	4.3.10.1 Thickness, $d_L$	Declared $d_L$ and Class	NPD
	4.3.10.3 Compressibility c	Declared CP Level	NPD
	4.3.12 Air flow resistivity	Direct airborne sound insulation index, Declared $AF_r$	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared $AF_r$	NPD
Continuous glowing combustion	4.3.14 Continuous glowing combustion	-	NPD
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and $\lambda$ if possible	$\lambda$ (90/90) = 0.039 W/mK
	4.2.2 Length and width	Declared l and b	$\pm 3$ mm width of line and $\pm 5$ mm length of line
	4.2.3 Thickness	Declared d or tolerance class	T5
	4.2.4 Squareness	Declared $S_b$	$\pm 3.0$ per 500mm
	4.2.5 Flatness	Declared $S_{max}$	$\pm 6$ mm
Water permeability	4.3.7.1 Short term water absorption	Declared $W_p$ , $WI(t)$ or $WI(p)$	NPD
	4.3.7.2 Long term water absorption	Declared $W_p$ , $WI(t)$ or $WI(p)$	NPD
Water vapour permeability	4.3.8 Water vapour transmission	Declared $\mu$ or Z	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS	NPD
	4.3.5 Point load	Declared $F_p$	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.9 Durability characteristics <sup>a)</sup>	<sup>b)</sup>	NPD
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R and $\lambda$ if possible <sup>c)</sup>	NPD
	4.2.9 Durability characteristics	<sup>d)</sup>	NPD
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces <sup>e)</sup>	Declared TR	NPD
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared $X_{ct}$ and $X_t$	NPD

<sup>a)</sup> No change in reaction to fire properties for mineral wool products.

<sup>b)</sup> The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

<sup>c)</sup> Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

<sup>d)</sup> For dimensional stability thickness only.

<sup>e)</sup> This characteristic also covers handling and installation.

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 above.

Signed for and on behalf of the manufacturer by:



Paul Felgate

R & D Manager

1/7/2013