

Product Datasheet

Alumasc Metshield Built Up System R1

Sheet No: PDS-MS001 [A]

Issued: 01/2026

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Description

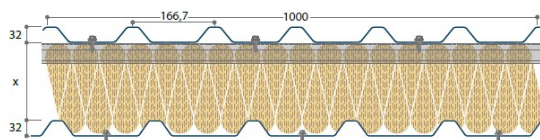
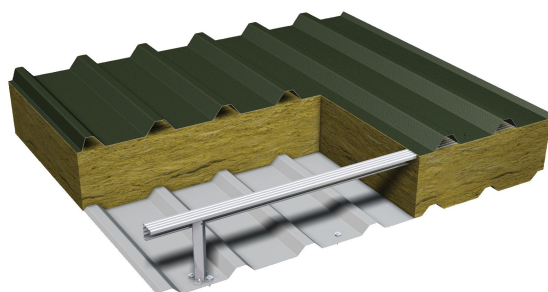
The Metshield Built-up System R1 gives a warranted metal roofing system which features a 0.70mm outer and 0.70mm liner. The assembly provides a highly cost-effective roof system that is ideal for all types of commercial construction. A unique benefit of the Metshield Built-up System R1 is the aesthetically pleasing 6 crowns outer sheet.

Key Features

- ✓ Single Point Warranty
- ✓ Easy installation
- ✓ Fire certified subject to build-up
- ✓ Non-combustible insulation options available
- ✓ Full range of colours available
- ✓ Rooflight options available

Area of Use

For the application of insulated roof systems



Insulation Properties

- ✓ Glass Wool Insulation
- ✓ Fire Performance 120 minutes integrity/15 minutes insulation (according to BS476 Part 22)
- ✓ Environment - EPD-PPA-20240127-CBG1-EN

Product	Bracket Depth	System Depth	Acoustic Rw (dB)	Thermal U (W/m2 K)
MS-BURS-R1-100	100	133	41	0.48
MS-BURS-R1-120	120	153	41	0.40
MS-BURS-R1-180	180	218	45	0.25
MS-BURS-R1-200	200	233	45	0.23
MS-BURS-R1-220	220	253	45	0.21
MS-BURS-R1-240	240	273	45	0.19
MS-BURS-R1-260	260	293	47	0.18
MS-BURS-R1-280	280	313	47	0.16
MS-BURS-R1-300	300	333	47	0.15
MS-BURS-R1-320	320	353	47	0.146

The Thermal (u) and Acoustic (RW) values presented on this document were estimated assuming bracket spacing at 1,20 m and bar/purlin spacing at 1,50 m

Technical Information

Standard Length	from
Effective Width	1000mm
Type of metal	Steel S280 GD
Outer plate (A)	Micro profiled steel plate (Micro), thickness 0,70 mm
Coatings	C200 leathergrain 200μ, Ultra 60μ (Outer Sheet) BWLE (Liner)
Inner plate (B)	Micro profiled steel plate (Micro), thickness 0,70 mm
Assembly	Horizontal direction

Our company policy is one of continuous research and development; we therefore reserve the right to amend content herein without prior notice.

Alumasc Roofing is a trading name of Alumasc Building Products Ltd
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Fastening	Surface Fixed
Galvanized steel	EN 10346:2015 - tolerances according to EN 10143:2006
Pre-painted steel	EN 10169:2022
Dimensions / Tolerances	EN 14509:2013 (Geometry)
Static calculation	EN 14509:2013

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

