

Product Datasheet

Alumasc Metshield Metal Roof Systems MS-RW-PIR-R4

Sheet No: PDS-MS007 [A]

Issued: 01/2026

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Description

The Metshield Composite System R4 gives a warranted metal roofing system which features a 0.60mm outer sheet and 0.4mm inner sheet.

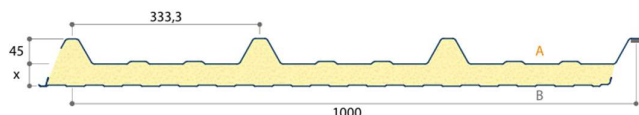
The assembly provides a highly cost-effective roof system that is ideal for all types of commercial construction. A unique benefit of the Metshield Composite System R4 is the aesthetically pleasing 4 crowns outer sheet.

Key Features

- ✓ Single Point Warranty
- ✓ Easy installation
- ✓ Good thermal properties
- ✓ Full range of colours available

Area of Use

For the application of insulated roof systems



Insulation Properties

- ✓ PIR Insulation
- ✓ B-s2,d0 according to EN 13501-1:2019
- ✓ Environment - EPD-PPA-20240128-CBG1-EN

Product	Thickness	Weight (kg/m ²)	Thermal U (W/m ² K)
MS-RW40	40	10.76	0.50
MS-RW60	60	11.52	0.34
MS-RW80	80	12.28	0.25
MS-RW100	100	13.04	0.20
MS-RW120	120	13.78	0.17
MS-RW130	130	14.17	0.16
MS-RW150	150	14.94	0.14

The Thermal (u) values according to EN 14509: 2013 - Impact of thermal cold bridge due to screws available upon request.

Technical Information

Standard Length	from 2550 to 20500mm
Effective Width	1000mm
Type of metal	Steel S280 GD
Outer plate (A)	trapezoidal steel plate, type 45-333-1000, thickness: 0,60mm (0,50 and 0,70mm available on request)
Coatings	Ultra 75, Essential (25 µ), Ultra 60, HPS 200 Ultra®

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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Inner plate (B)	Lightly profiled steel plate, thickness 0.4mm, RAL 9002 15μ (contact Technical for other options)
Assembly	horizontal direction both L-R & R-L
Fastening	With support bracket on the wave
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.

