

Product Datasheet

Alumasc Metshield Metal Roof Systems MS-MWR-R3

Sheet No: PDS-MS005 [A]

Issued: 01/2026

Pages: 1 of 2

Description

The Metshield Composite System R3 gives a warranted metal roofing system which features a 0.60mm outer sheet and 0.4mm inner sheet.

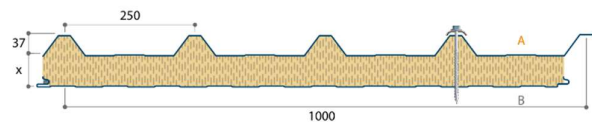
The assembly provides a highly cost-effective roof system that is ideal for all types of commercial construction. A unique benefit of the Metshield Composite System R3 is the aesthetically pleasing 5 crowns outer sheet.

Key Features

- ✓ High fire resistance and good fire reaction
- ✓ 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

- ✓ Mineral Fibre core, With high density and vertically oriented fibres
- ✓ A2-s1,d0 (for all coatings except HPS 200 Ultra) according to EN 13501-1:2019
- ✓ Environment - EPD-PPA-20240127-CBG1-EN

Product	Thickness	Weight (kg/m2)	Thermal U (W/m2 K)
MS-MWR50	50	15.65	0.77
MS-MWR60	60	16.58	0.66
MS-MWR80	80	18.64	0.51
MS-MWR100	100	20.64	0.41
MS-MWR120	120	22.64	0.35
MS-MWR150	150	25.57	0.28
MS-MWR175	175	28.08	0.24
MS-MWR200	200	30.71	0.21

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

Product Datasheet

Alumasc Metshield Metal Roof Systems MS-MWR-R3

Sheet No: PDS-MS005 [A]

Issued: 01/2026

Pages: 2 of 2

Technical Information

Standard Length	from 2550 to 20500mm
Effective Width	1000mm
Type of metal	Steel S280 GD
Outer plate (A)	trapezoidal steel plate, type 37-250-1000, thickness: 0,60mm (0,50 and 0,70mm available on request)
Coatings	Ultra 60
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.