

## Product Datasheet

### Alumasc Metshield Overclad System W2

Sheet No: PDS-MS004 [A]

Issued: 01/2026

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#### Description

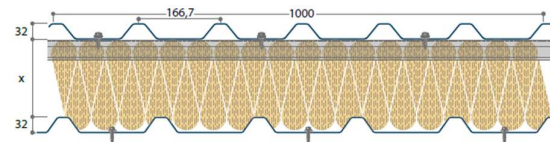
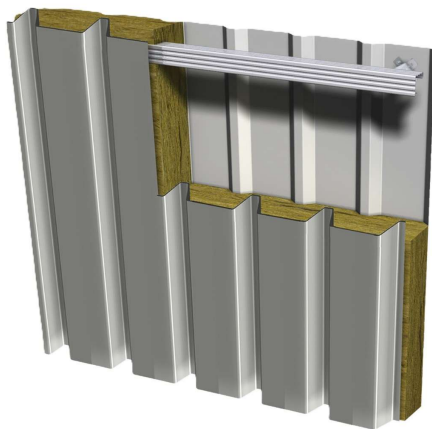
The Metshield Overclad System W2 gives a warranted metal walling system which features a 0.70mm outer sheet. The assembly provides a highly cost-effective wall system that is ideal for all types of commercial construction. A unique benefit of the Metshield Overclad System W2 is the aesthetically pleasing 5 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

#### Area of Use

For the application of insulated wall 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-OVCL-W2-100  | 100           | 133          | 41               | 0.48               |
| MS- OVCL-W2-120 | 120           | 153          | 41               | 0.40               |
| MS- OVCL-W2-180 | 180           | 218          | 45               | 0.25               |
| MS- OVCL-W2-200 | 200           | 233          | 45               | 0.23               |
| MS- OVCL-W2-220 | 220           | 253          | 45               | 0.21               |
| MS- OVCL-W2-240 | 240           | 273          | 45               | 0.19               |
| MS- OVCL-W2-260 | 260           | 293          | 47               | 0.18               |
| MS- OVCL-W2-280 | 280           | 313          | 47               | 0.16               |
| MS- OVCL-W2-300 | 300           | 333          | 47               | 0.15               |
| MS- OVCL-W2-320 | 320           | 353          | 47               | 0.14               |

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

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#### Technical Information

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| <b>Standard Length</b>         | from                                                  |
| <b>Effective Width</b>         | 1000mm                                                |
| <b>Type of metal</b>           | Steel S280 GD                                         |
| <b>Outer plate (A)</b>         | Micro profiled steel plate (Micro), thickness 0,70 mm |
| <b>Coatings</b>                | C200 leathergrain 200μ, Ultra 60μ                     |
| <b>Assembly</b>                | Vertical direction                                    |
| <b>Fastening</b>               | Surface Fixed                                         |
| <b>Galvanized steel</b>        | EN 10346:2015 - tolerances according to EN 10143:2006 |
| <b>Pre-painted steel</b>       | EN 10169:2022                                         |
| <b>Dimensions / Tolerances</b> | EN 14509:2013 (Geometry)                              |
| <b>Static calculation</b>      | EN 14509:2013                                         |

#### Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: [technical@alumascroofing.com](mailto: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.