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| voestalpine Metsec plc | Broadwell Road, Oldbury  West Midlands, B69 4HF  T. +44 (0) 121 601 6000  F. +44 (0) 121 601 6119  www.voestalpine.com/metsec  Legal form: voestalpine Metsec plc  Headquarters: Oldbury, United Kingdom  Company Number: 1551970  VAT no. GB 428725238 |
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| C:\Users\v156787\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\BB66CBA9.tmp  **0086** | **Declaration of Performance** |
| **voestalpine Metsec plc**  **21**  **0086-CPR-741424** | |
| **EN 1090-1:2009+A1:2011** | |

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| **Notified Body** | BSI Assurance UK Ltd,  Kitemark Court,  Davy Avenue,  Knowlhill,  Milton Keynes  MK5 8PP,  United Kingdom |
| **Manufacturer** | Voestalpine Metsec plc Purlins & Framing  Broadwell Road,  Oldbury  West Midlands,  B69 4HF |

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| **System of assessment and verification of constancy of performance of the product** | 2+ |

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| **Intended Use:** | Cold roll formed Zed Purlins, “C” sections, Mezzanine and Sleeves for building shell applications made from continuously hot dip coated structural steel. |
| **Parent Materials:** | BS EN 10346:2015 S450GD + Z275 NA-C (DECARB)  BS EN 10346:2015 S450GD + Z600 NA-C (DECARB) |

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| **Declared Performance** | |
| **Essential Characteristics** | **Performance** |
| **Mechanical Resistance:**  Tolerances on geometrical data  Weldability  Fracture toughness  Load bearing capacity  Fatigue strength | EN 1090-2  NPD  NPD  NPD  NPD |
| **Safety in case of Fire:**  Reaction to fire  Resistance to fire | Class A1  NPD |
| **Health, Safety, and the Environment**  Release of Cadmium  Emission of Radioactivity | NPD  NPD |
| **Durability** | Zinc coating (Z275/Z600) in accordance with EN 10346:2015 |
| **Declared Performance** | |
| **Essential Characteristics** | **Performance** |
| **Structural Characteristics**  Load bearing capacity  Deformation and serviceability limit state  Fatigue Strength | Design according to EN 1993-1-3. The technical documentation relevant to the above product can be made available for inspection on application.  See note above  NPD |
| **Manufacturing** | According to voestalpine Metsec plc component specifications and EN 1090-2 EXC 4. |

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| **Product Description** | **Product Code** | **Material Thickness** |
| ZED Sections |  |  |
| 142mm | 142Z13X | 1.3mm |
| 142mm | 142Z14X | 1.4mm |
| 142mm | 142Z15X | 1.5mm |
| 142mm | 142Z16X | 1.6mm |
| 142mm | 142Z18X | 1.8mm |
| 142mm | 142Z20X | 2.0mm |
| 172mm | 172Z13X | 1.3mm |
| 172mm | 172Z14X | 1.4mm |
| 172mm | 172Z15X | 1.5mm |
| 172mm | 172Z16X | 1.6mm |
| 172mm | 172Z18X | 1.8mm |
| 172mm | 172Z20X | 2.0mm |
| 172mm | 172Z23X | 2.3mm |
| 172mm | 172Z25X | 2.5mm |
| 202mm | 202Z13X | 1.3mm |
| 202mm | 202Z14X | 1.4mm |
| 202mm | 202Z15X | 1.5mm |
| 202mm | 202Z16X | 1.6mm |
| 202mm | 202Z18X | 1.8mm |
| 202mm | 202Z20X | 2.0mm |
| **Product Description** | **Product Code** | **Material Thickness** |
| ZED Section |  |  |
| 202mm | 202Z23X | 2.3mm |
| 202mm | 202Z27X | 2.7mm |
| 232mm | 232Z14X | 1.4mm |
| 232mm | 232Z15X | 1.5mm |
| 232mm | 232Z16X | 1.5mm |
| 232mm | 232Z18X | 1.8mm |
| 232mm | 232Z20X | 2.0mm |
| 232mm | 232Z23X | 2.3mm |
| 232mm | 232Z25X | 2.5mm |
| 262mm | 262Z15X | 1.5mm |
| 262mm | 262Z16X | 1.6mm |
| 262mm | 262Z18X | 1.8mm |
| 262mm | 262Z20X | 2.0mm |
| 262mm | 262Z23X | 2.3mm |
| 262mm | 262Z25X | 2.5mm |
| 262mm | 262Z29X | 2.9mm |
| 302mm | 302Z18X | 1.8mm |
| 302mm | 302Z20X | 2.0mm |
| 302mm | 302Z23X | 2.3mm |
| 302mm | 302Z25X | 2.5mm |
| 302mm | 302Z29X | 2.9mm |
| 342mm | 342Z20X | 2.0mm |
| 342mm | 342Z23X | 2.3mm |
| 342mm | 342Z25X | 2.5mm |
| 342mm | 342Z27X | 2.7mm |
| 342mm | 342Z30X | 3.0mm |
| 402mm | 402Z30X | 3.0mm |
| C Sections |  |  |
| 142mm | 142C13X | 1.3mm |
| 142mm | 142C14X | 1.4mm |
| 142mm | 142C15X | 1.5mm |
| 142mm | 142C16X | 1.6mm |
| 142mm | 142C18X | 1.8mm |
| 142mm | 142C20X | 2.0mm |
| 172mm | 172C13X | 1.3mm |
| 172mm | 172C14X | 1.4mm |
| 172mm | 172C15X | 1.5mm |
| 172mm | 172C16X | 1.6mm |
| 172mm | 172C18X | 1.8mm |
| 172mm | 172C20X | 2.0mm |
| 172mm | 172C23X | 2.3mm |
| 172mm | 172C25X | 2.5mm |
| 202mm | 202C13X | 1.3mm |
| 202mm | 202C14X | 1.4mm |
| **Product Description** | **Product Code** | **Material Thickness** |
| C Sections |  |  |
| 202mm | 202C15X | 1.5mm |
| 202mm | 202C16X | 1.6mm |
| 202mm | 202C18X | 1.8mm |
| 202mm | 202C20X | 2.0mm |
| 202mm | 202C23X | 2.3mm |
| 202mm | 202C27X | 2.7mm |
| 232mm | 232C14X | 1.4mm |
| 232mm | 232C15X | 1.5mm |
| 232mm | 232C16X | 1.6mm |
| 232mm | 232C18X | 1.8mm |
| 232mm | 232C20X | 2.0mm |
| 232mm | 232C23X | 2.3mm |
| 232mm | 232C25X | 2.5mm |
| 262mm | 262C15X | 1.5mm |
| 262mm | 262C16X | 1.6mm |
| 262mm | 262C18X | 1.8mm |
| 262mm | 262C20X | 2.0mm |
| 262mm | 262C23X | 2.3mm |
| 262mm | 262C25X | 2.5mm |
| 262mm | 262C29X | 2.9mm |
| 302mm | 302C18X | 1.8mm |
| 302mm | 302C20X | 2.0mm |
| 302mm | 302C23X | 2.3mm |
| 302mm | 302C25X | 2.5mm |
| 302mm | 302C29X | 2.9mm |
| 342mm | 342C20X | 2.0mm |
| 342mm | 342C23X | 2.3mm |
| 342mm | 342C25X | 2.5mm |
| 342mm | 342C27X | 2.7mm |
| 342mm | 342C30X | 3.0mm |
| 402mm | 402C30X | 3.0mm |
| Mezzanine Section |  |  |
| 142mm | 142M13X | 1.3mm |
| 142mm | 142M14X | 1.4mm |
| 142mm | 142M15X | 1.5mm |
| 142mm | 142M16X | 1.6mm |
| 142mm | 142M18X | 1.8mm |
| 142mm | 142M20X | 2.0mm |
| 150mm | 150M15X | 1.5mm |
| 150mm | 150M20X | 2.0mm |
| 165mm | 165M15X | 1.5mm |
| 165mm | 165M20X | 2.0mm |
| 172mm | 172M13X | 1.3mm |
| 172mm | 172M14X | 1.4mm |
| **Product Description** | **Product Code** | **Material Thickness** |
| Mezzanine Section |  |  |
| 172mm | 172M15X | 1.5mm |
| 172mm | 172M16X | 1.6mm |
| 172mm | 172M18X | 1.8mm |
| 172mm | 172M20X | 2.0mm |
| 172mm | 172M23X | 2.3mm |
| 172mm | 172M25X | 2.5mm |
| 202mm | 202M13X | 1.3mm |
| 202mm | 202M14X | 1.4mm |
| 202mm | 202M15X | 1.5mm |
| 202mm | 202M16X | 1.6mm |
| 202mm | 202M18X | 1.8mm |
| 202mm | 202M20X | 2.0mm |
| 202mm | 202M23X | 2.3mm |
| 202mm | 202M27X | 2.7mm |
| 220mm | 220M15X | 1.5mm |
| 220mm | 220M20X | 2.0mm |
| 232mm | 232M14X | 1.4mm |
| 232mm | 232M15X | 1.5mm |
| 232mm | 232M16X | 1.6mm |
| 232mm | 232M18X | 1.8mm |
| 232mm | 232M20X | 2.0mm |
| 232mm | 232M23X | 2.3mm |
| 232mm | 232M25X | 2.5mm |
| 262mm | 262M15X | 1.5mm |
| 262mm | 262M16X | 1.6mm |
| 262mm | 262M18X | 1.8mm |
| 262mm | 262M20X | 2.0mm |
| 262mm | 262M23X | 2.3mm |
| 262mm | 262M25X | 2.5mm |
| 262mm | 262M29X | 2.9mm |
| 302mm | 302M18X | 1.8mm |
| 302mm | 302M20X | 2.0mm |
| 302mm | 302M23X | 2.3mm |
| 302mm | 302M25X | 2.5mm |
| 302mm | 302M29X | 2.9mm |
| 342mm | 342M20X | 2.0mm |
| 342mm | 342M23X | 2.3mm |
| 342mm | 342M25X | 2.5mm |
| 342mm | 342M27X | 2.7mm |
| 342mm | 342M30X | 3.0mm |
| Wide Flange ZED Section |  |  |
| 202mm | 202Z14/92X | 1.4mm |
| 202mm | 202Z15/92X | 1.5mm |
| 202mm | 202Z16/92X | 1.6mm |
| **Product Description** | **Product Code** | **Material Thickness** |
| Wide Flange Z Section |  |  |
| 202mm | 202Z18/92X | 1.8mm |
| 202mm | 202Z20/92X | 2.0mm |
| 202mm | 202Z23/92X | 2.3mm |
| 202mm | 202Z25/92X | 2.5mm |
| 232mm | 232Z15/92X | 1.5mm |
| 232mm | 232Z16/92X | 1.6mm |
| 232mm | 232Z18/92X | 1.8mm |
| 232mm | 232Z20/92X | 2.0mm |
| 232mm | 232Z23/92X | 2.3mm |
| 232mm | 232Z25/92X | 2.5mm |
| 262mm | 262Z16/92X | 1.6mm |
| 262mm | 262Z18/92X | 1.8mm |
| 262mm | 262Z23/92X | 2.3mm |
| Purlins Sleeves |  |  |
| 142mm | PS142Z13X | 1.3mm |
| 142mm | PS142Z14X | 1.4mm |
| 142mm | PS142Z15X | 1.5mm |
| 142mm | PS142Z16X | 1.6mm |
| 142mm | PS142Z18X | 1.8mm |
| 142mm | PS142Z20X | 2.0mm |
| 172mm | PS172Z13X | 1.3mm |
| 172mm | PS172Z14X | 1.4mm |
| 172mm | PS172Z15X | 1.5mm |
| 172mm | PS172Z16X | 1.6mm |
| 172mm | PS172Z18X | 1.8mm |
| 172mm | PS172Z20X | 1.8mm |
| 202mm | PS202Z13X | 1.3mm |
| 202mm | PS202Z14X | 1.4mm |
| 202mm | PS202Z15X | 1.5mm |
| 202mm | PS202Z16X | 1.6mm |
| 202mm | PS202Z18X | 1.8mm |
| 202mm | PS202Z20X | 2.0mm |
| 202mm | PS202Z23X | 2.3mm |
| 202mm | PS202Z27X | 2.7mm |
| 232mm | PS232Z14X | 1.4mm |
| 232mm | PS232Z15X | 1.5mm |
| 232mm | PS232Z16X | 1.6mm |
| 232mm | PS232Z18X | 1.8mm |
| 232mm | PS232Z20X | 2.0mm |
| 232mm | PS232Z23X | 2.3mm |
| 232mm | PS232Z25X | 2.5mm |
| 302mm | PS302Z18X | 1.8mm |
| 302mm | PS302Z20X | 2.0mm |
| 302mm | PS302Z23X | 2.3mm |
| **Product Description** | **Product Code** | **Material Thickness** |
| Purlins Sleeves |  |  |
| 302mm | PS302Z25X | 2.5mm |
| 302mm | PS302Z29X | 2.9mm |
| 342mm | PS342Z20X | 2.0mm |
| 342mm | PS342Z23X | 2.3mm |
| 342mm | PS342Z25X | 2.5mm |
| 342mm | PS342Z27X | 2.7mm |
| 342mm | PS342Z30X | 3.0mm |
| 402mm | PS402Z30X | 3.0mm |
| C Sleeves |  |  |
| 142mm | CS142C13X | 1.3mm |
| 142mm | CS142C14X | 1.4mm |
| 142mm | CS142C15X | 1.5mm |
| 142mm | CS142C16X | 1.6mm |
| 142mm | CS142C18X | 1.8mm |
| 142mm | CS142C20X | 2.0mm |
| 172mm | CS172C13X | 1.3mm |
| 172mm | CS172C14X | 1.4mm |
| 172mm | CS172C15X | 1.5mm |
| 172mm | CS172C16X | 1.6mm |
| 172mm | CS172C18X | 1.8mm |
| 172mm | CS172C20X | 2.0mm |
| 172mm | CS172C23X | 2.3mm |
| 172mm | CS172C25X | 2.5mm |
| 202mm | CS202C13X | 1.3mm |
| 202mm | CS202C14X | 1.4mm |
| 202mm | CS202C15X | 1.5mm |
| 202mm | CS202C16X | 1.6mm |
| 202mm | CS202C18X | 1.8mm |
| 202mm | CS202C20X | 2.0mm |
| 202mm | CS202C23X | 2.3mm |
| 202mm | CS202C27X | 2.7mm |
| 232mm | CS232C14X | 1.4mm |
| 232mm | CS232C15X | 1.5mm |
| 232mm | CS232C16X | 1.6mm |
| 232mm | CS232C18X | 1.8mm |
| 232mm | CS232C20X | 2.0mm |
| 232mm | CS232C23X | 2.3mm |
| 232mm | CS232C25X | 2.5mm |
| 262mm | CS262C15X | 1.5mm |
| 262mm | CS262C16X | 1.6mm |
| 262mm | CS262C18X | 1.8mm |
| 262mm | CS262C20X | 2.0mm |
| 262mm | CS262C23X | 2.3mm |
| 262mm | CS262C25X | 2.5mm |
| **Product Description** | **Product Code** | **Material Thickness** |
| C Sleeves |  |  |
| 262mm | CS262C29X | 2.9mm |
| 302mm | CS302C18X | 1.8mm |
| 302mm | CS302C20X | 2.0mm |
| 302mm | CS302C23X | 2.3mm |
| 302mm | CS302C25X | 2.5mm |
| 302mm | CS302C29X | 2.9mm |
| 342mm | CS342C20X | 2.0mm |
| 342mm | CS342C23X | 2.3mm |
| 342mm | CS342C25X | 2.5mm |
| 342mm | CS342C27X | 2.7mm |
| 342mm | CS342C30X | 3.0mm |
| 402mm | CS402C30X | 3.0mm |
| HEBS |  |  |
| 142mm | HEBS142Z14X | 1.4mm |
| 142mm | HEBS142Z15X | 1.5mm |
| 142mm | HEBS142Z16X | 1.6mm |
| 142mm | HEBS142Z18X | 1.8mm |
| 142mm | HEBS142Z20X | 2.0mm |
| 172mm | HEBS172Z14X | 1.4mm |
| 172mm | HEBS172Z15X | 1.5mm |
| 172mm | HEBS172Z16X | 1.6mm |
| 172mm | HEBS172Z18X | 1.8mm |
| 172mm | HEBS172Z20X | 2.0mm |
| 172mm | HEBS172Z23X | 2.3mm |
| 172mm | HEBS172Z25X | 2.5mm |
| 202mm | HEBS202Z14X | 1.4mm |
| 202mm | HEBS202Z15X | 1.5mm |
| 202mm | HEBS202Z16X | 1.6mm |
| 202mm | HEBS202Z18X | 1.8mm |
| 202mm | HEBS202Z20X | 2.0mm |
| 202mm | HEBS202Z23X | 2.3mm |
| 202mm | HEBS202Z27X | 2.7mm |
| 232mm | HEBS232Z15X | 1.5mm |
| 232mm | HEBS232Z16X | 1.6mm |
| 232mm | HEBS232Z18X | 1.8mm |
| 232mm | HEBS232Z20X | 2.0mm |
| 232mm | HEBS232Z23X | 2.3mm |
| 232mm | HEBS232Z25X | 2.5mm |
| 262mm | HEBS262Z16X | 1.6mm |
| 262mm | HEBS262Z18X | 1.8mm |
| 262mm | HEBS262Z20X | 2.0mm |
| 262mm | HEBS262Z23X | 2.3mm |
| 262mm | HEBS262Z25X | 2.5mm |

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| **Product Description** | **Product Code** | **Material Thickness** |
| HEBS |  |  |
| 262mm | HEBS262Z29X | 2.9mm |
| 302mm | HEBS302Z20X | 2.0mm |
| 302mm | HEBS302Z23X | 2.3mm |
| 302mm | HEBS302Z25X | 2.5mm |
| 302mm | HEBS302Z29X | 2.9mm |
| 342mm | HEBS342Z23X | 2.3mm |
| 342mm | HEBS342Z25X | 2.5mm |
| 342mm | HEBS342Z27X | 2.7mm |
| 342mm | HEBS342Z30X | 3.0mm |
| Purlins Wide Sleeves |  |  |
| 202mm | PS202Z14/87X | 1.4mm |
| 202mm | PS202Z15/87X | 1.5mm |
| 202mm | PS202Z16/87X | 1.6mm |
| 202mm | PS202Z18/87X | 1.8mm |
| 202mm | PS202Z20/87X | 2.0mm |
| 202mm | PS202Z23/87X | 2.3mm |
| 202mm | PS202Z25/87X | 2.5mm |
| 232mm | PS232Z15/87X | 1.5mm |
| 232mm | PS232Z16/87X | 1.6mm |
| 232mm | PS232Z18/87X | 1.8mm |
| 232mm | PS232Z20/87X | 2.0mm |
| 232mm | PS232Z23/87X | 2.3mm |
| 232mm | PS323Z25/87X | 2.5mm |
| 262mm | PS262Z16/87X | 1.6mm |
| 262mm | PS262Z18/87X | 1.8mm |
| 262mm | PS262Z23/87X | 2.3mm |

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| The performance of the product(s) identified above is in conformity with the declared performance in the table above and meets the requirements of the designated standard EN1090-1:2009+A1:2011. This declaration of performance is issued under the sole responsibility of the manufacturer identified above. | |
| **Name and Function**  Alan Harris – Quality Director  Signed in the premises of voestalpine Metsec plc  Oldbury West Midlands |  |
| **Date of issue** | 20th November 2024 |