

 0086	Declaration of Performance
voestalpine Metsec plc 21 0086-CPR-741424	
EN 1090-1:2009+A1:2011	

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

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 BS EN 10346:2015 S450GD + Z600 NA-C

Declared Performance	
Essential Characteristics	Performance
Mechanical Resistance:	
Tolerances on geometrical data	EN 1090-2
Weldability	NPD
Fracture toughness	NPD
Load bearing capacity	NPD
Fatigue strength	NPD

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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.

Product Description	Product Code	Material Thickness
ZED Sections		
142mm	142Z13	1.3mm
142mm	142Z14	1.4mm
142mm	142Z15	1.5mm
142mm	142Z16	1.6mm
142mm	142Z18	1.8mm
142mm	142Z20	2.0mm
172mm	172Z13	1.3mm
172mm	172Z14	1.4mm
172mm	172Z15	1.5mm
172mm	172Z16	1.6mm
172mm	172Z18	1.8mm
172mm	172Z20	2.0mm
172mm	172Z23	2.3mm
172mm	172Z25	2.5mm
202mm	202Z13	1.3mm
202mm	202Z14	1.4mm
202mm	202Z15	1.5mm
202mm	202Z16	1.6mm
202mm	202Z18	1.8mm
202mm	202Z20	2.0mm

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Product Description	Product Code	Material Thickness
ZED Section		
202mm	202Z23	2.3mm
202mm	202Z27	2.7mm
232mm	232Z14	1.4mm
232mm	232Z15	1.5mm
232mm	232Z16	1.5mm
232mm	232Z18	1.8mm
232mm	232Z20	2.0mm
232mm	232Z23	2.3mm
232mm	232Z25	2.5mm
262mm	262Z15	1.5mm
262mm	262Z16	1.6mm
262mm	262Z18	1.8mm
262mm	262Z20	2.0mm
262mm	262Z23	2.3mm
262mm	262Z25	2.5mm
262mm	262Z29	2.9mm
302mm	302Z18	1.8mm
302mm	302Z20	2.0mm
302mm	302Z23	2.3mm
302mm	302Z25	2.5mm
302mm	302Z29	2.9mm
342mm	342Z20	2.0mm
342mm	342Z23	2.3mm
342mm	342Z25	2.5mm
342mm	342Z27	2.7mm
342mm	342Z30	3.0mm
402mm	402Z30	3.0mm
C Sections		
142mm	142C13	1.3mm
142mm	142C14	1.4mm
142mm	142C15	1.5mm
142mm	142C16	1.6mm
142mm	142C18	1.8mm
142mm	142C20	2.0mm
172mm	172C13	1.3mm
172mm	172C14	1.4mm
172mm	172C15	1.5mm
172mm	172C16	1.6mm
172mm	172C18	1.8mm
172mm	172C20	2.0mm
172mm	172C23	2.3mm
172mm	172C25	2.5mm
202mm	202C13	1.3mm
202mm	202C14	1.4mm

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Product Description	Product Code	Material Thickness
C Sections		
202mm	202C15	1.5mm
202mm	202C16	1.6mm
202mm	202C18	1.8mm
202mm	202C20	2.0mm
202mm	202C23	2.3mm
202mm	202C27	2.7mm
232mm	232C14	1.4mm
232mm	232C15	1.5mm
232mm	232C16	1.6mm
232mm	232C18	1.8mm
232mm	232C20	2.0mm
232mm	232C23	2.3mm
232mm	232C25	2.5mm
262mm	262C15	1.5mm
262mm	262C16	1.6mm
262mm	262C18	1.8mm
262mm	262C20	2.0mm
262mm	262C23	2.3mm
262mm	262C25	2.5mm
262mm	262C29	2.9mm
302mm	302C18	1.8mm
302mm	302C20	2.0mm
302mm	302C23	2.3mm
302mm	302C25	2.5mm
302mm	302C29	2.9mm
342mm	342C20	2.0mm
342mm	342C23	2.3mm
342mm	342C25	2.5mm
342mm	342C27	2.7mm
342mm	342C30	3.0mm
402mm	402C30	3.0mm
Mezzanine Section		
142mm	142M13	1.3mm
142mm	142M14	1.4mm
142mm	142M15	1.5mm
142mm	142M16	1.6mm
142mm	142M18	1.8mm
142mm	142M20	2.0mm
150mm	150M15	1.5mm
150mm	150M20	2.0mm
165mm	165M15	1.5mm
165mm	165M20	2.0mm
172mm	172M13	1.3mm
172mm	172M14	1.4mm

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Product Description	Product Code	Material Thickness
Mezzanine Section		
172mm	172M15	1.5mm
172mm	172M16	1.6mm
172mm	172M18	1.8mm
172mm	172M20	2.0mm
172mm	172M23	2.3mm
172mm	172M25	2.5mm
202mm	202M13	1.3mm
202mm	202M14	1.4mm
202mm	202M15	1.5mm
202mm	202M16	1.6mm
202mm	202M18	1.8mm
202mm	202M20	2.0mm
202mm	202M23	2.3mm
202mm	202M27	2.7mm
220mm	220M15	1.5mm
220mm	220M20	2.0mm
232mm	232M14	1.4mm
232mm	232M15	1.5mm
232mm	232M16	1.6mm
232mm	232M18	1.8mm
232mm	232M20	2.0mm
232mm	232M23	2.3mm
232mm	232M25	2.5mm
262mm	262M15	1.5mm
262mm	262M16	1.6mm
262mm	262M18	1.8mm
262mm	262M20	2.0mm
262mm	262M23	2.3mm
262mm	262M25	2.5mm
262mm	262M29	2.9mm
302mm	302M18	1.8mm
302mm	302M20	2.0mm
302mm	302M23	2.3mm
302mm	302M25	2.5mm
302mm	302M29	2.9mm
342mm	342M20	2.0mm
342mm	342M23	2.3mm
342mm	342M25	2.5mm
342mm	342M27	2.7mm
342mm	342M30	3.0mm
Wide Flange ZED Section		
202mm	202Z14/92	1.4mm
202mm	202Z15/92	1.5mm
202mm	202Z16/92	1.6mm

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Product Description	Product Code	Material Thickness
Wide Flange Z Section		
202mm	202Z18/92	1.8mm
202mm	202Z20/92	2.0mm
202mm	202Z23/92	2.3mm
202mm	202Z25/92	2.5mm
232mm	232Z15/92	1.5mm
232mm	232Z16/92	1.6mm
232mm	232Z18/92	1.8mm
232mm	232Z20/92	2.0mm
232mm	232Z23/92	2.3mm
232mm	232Z25/92	2.5mm
262mm	262Z16/92	1.6mm
262mm	262Z18/92	1.8mm
262mm	262Z23/92	2.3mm
Purlins Sleeves		
142mm	PS142Z13	1.3mm
142mm	PS142Z14	1.4mm
142mm	PS142Z15	1.5mm
142mm	PS142Z16	1.6mm
142mm	PS142Z18	1.8mm
142mm	PS142Z20	2.0mm
172mm	PS172Z13	1.3mm
172mm	PS172Z14	1.4mm
172mm	PS172Z15	1.5mm
172mm	PS172Z16	1.6mm
172mm	PS172Z18	1.8mm
172mm	PS172Z20	1.8mm
202mm	PS202Z13	1.3mm
202mm	PS202Z14	1.4mm
202mm	PS202Z15	1.5mm
202mm	PS202Z16	1.6mm
202mm	PS202Z18	1.8mm
202mm	PS202Z20	2.0mm
202mm	PS202Z23	2.3mm
202mm	PS202Z27	2.7mm
232mm	PS232Z14	1.4mm
232mm	PS232Z15	1.5mm
232mm	PS232Z16	1.6mm
232mm	PS232Z18	1.8mm
232mm	PS232Z20	2.0mm
232mm	PS232Z23	2.3mm
232mm	PS232Z25	2.5mm
302mm	PS302Z18	1.8mm
302mm	PS302Z20	2.0mm
302mm	PS302Z23	2.3mm

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Product Description	Product Code	Material Thickness
Purlins Sleeves		
302mm	PS302Z25	2.5mm
302mm	PS302Z29	2.9mm
342mm	PS342Z20	2.0mm
342mm	PS342Z23	2.3mm
342mm	PS342Z25	2.5mm
342mm	PS342Z27	2.7mm
342mm	PS342Z30	3.0mm
402mm	PS402Z30	3.0mm
C Sleeves		
142mm	CS142C13	1.3mm
142mm	CS142C14	1.4mm
142mm	CS142C15	1.5mm
142mm	CS142C16	1.6mm
142mm	CS142C18	1.8mm
142mm	CS142C20	2.0mm
172mm	CS172C13	1.3mm
172mm	CS172C14	1.4mm
172mm	CS172C15	1.5mm
172mm	CS172C16	1.6mm
172mm	CS172C18	1.8mm
172mm	CS172C20	2.0mm
172mm	CS172C23	2.3mm
172mm	CS172C25	2.5mm
202mm	CS202C13	1.3mm
202mm	CS202C14	1.4mm
202mm	CS202C15	1.5mm
202mm	CS202C16	1.6mm
202mm	CS202C18	1.8mm
202mm	CS202C20	2.0mm
202mm	CS202C23	2.3mm
202mm	CS202C27	2.7mm
232mm	CS232C14	1.4mm
232mm	CS232C15	1.5mm
232mm	CS232C16	1.6mm
232mm	CS232C18	1.8mm
232mm	CS232C20	2.0mm
232mm	CS232C23	2.3mm
232mm	CS232C25	2.5mm
262mm	CS262C15	1.5mm
262mm	CS262C16	1.6mm
262mm	CS262C18	1.8mm
262mm	CS262C20	2.0mm
262mm	CS262C23	2.3mm
262mm	CS262C25	2.5mm

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Product Description	Product Code	Material Thickness
C Sleeves		
262mm	CS262C29	2.9mm
302mm	CS302C18	1.8mm
302mm	CS302C20	2.0mm
302mm	CS302C23	2.3mm
302mm	CS302C25	2.5mm
302mm	CS302C29	2.9mm
342mm	CS342C20	2.0mm
342mm	CS342C23	2.3mm
342mm	CS342C25	2.5mm
342mm	CS342C27	2.7mm
342mm	CS342C30	3.0mm
402mm	CS402C30	3.0mm
HEBS		
142mm	HEBS142Z14	1.4mm
142mm	HEBS142Z15	1.5mm
142mm	HEBS142Z16	1.6mm
142mm	HEBS142Z18	1.8mm
142mm	HEBS142Z20	2.0mm
172mm	HEBS172Z14	1.4mm
172mm	HEBS172Z15	1.5mm
172mm	HEBS172Z16	1.6mm
172mm	HEBS172Z18	1.8mm
172mm	HEBS172Z20	2.0mm
172mm	HEBS172Z23	2.3mm
172mm	HEBS172Z25	2.5mm
202mm	HEBS202Z14	1.4mm
202mm	HEBS202Z15	1.5mm
202mm	HEBS202Z16	1.6mm
202mm	HEBS202Z18	1.8mm
202mm	HEBS202Z20	2.0mm
202mm	HEBS202Z23	2.3mm
202mm	HEBS202Z27	2.7mm
232mm	HEBS232Z15	1.5mm
232mm	HEBS232Z16	1.6mm
232mm	HEBS232Z18	1.8mm
232mm	HEBS232Z20	2.0mm
232mm	HEBS232Z23	2.3mm
232mm	HEBS232Z25	2.5mm
262mm	HEBS262Z16	1.6mm
262mm	HEBS262Z18	1.8mm
262mm	HEBS262Z20	2.0mm
262mm	HEBS262Z23	2.3mm
262mm	HEBS262Z25	2.5mm

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Product Description	Product Code	Material Thickness
HEBS		
262mm	HEBS262Z29	2.9mm
302mm	HEBS302Z20	2.0mm
302mm	HEBS302Z23	2.3mm
302mm	HEBS302Z25	2.5mm
302mm	HEBS302Z29	2.9mm
342mm	HEBS342Z23	2.3mm
342mm	HEBS342Z25	2.5mm
342mm	HEBS342Z27	2.7mm
342mm	HEBS342Z30	3.0mm
Purlins Wide Sleeves		
202mm	PS202Z14/87	1.4mm
202mm	PS202Z15/87	1.5mm
202mm	PS202Z16/87	1.6mm
202mm	PS202Z18/87	1.8mm
202mm	PS202Z20/87	2.0mm
202mm	PS202Z23/87	2.3mm
202mm	PS202Z25/87	2.5mm
232mm	PS232Z15/87	1.5mm
232mm	PS232Z16/87	1.6mm
232mm	PS232Z18/87	1.8mm
232mm	PS232Z20/87	2.0mm
232mm	PS232Z23/87	2.3mm
232mm	PS323Z25/87	2.5mm
262mm	PS262Z16/87	1.6mm
262mm	PS262Z18/87	1.8mm
262mm	PS262Z23/87	2.3mm

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

1st November 2023

voestalpine

ONE STEP AHEAD.