# Declaration of Performance

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**voestalpine Metsec plc**  
14  
0086-CPR-649436  
EN 1090-1:2009+A1:2011  

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### Notified Body
BSI Assurance UK Limited.  
Davy Avenue,  
Knowhill,  
Milton Keynes  
MK5 8PP

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### Manufacturer
Voestalpine Metsec plc Lightweight Structural Systems  
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 rollformed Zed Purlins and "C" sections for building shell applications made from continuously hot dip coated structural steel.

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### Parent Materials:
BS EN 10346:2009 S450GD + Z275 NA-C  
BS EN 10346:2009 S450GD + Z600 NA-C

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### Declared Performance

<table>
<thead>
<tr>
<th>Essential Characteristics</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mechanical Resistance:</strong></td>
<td></td>
</tr>
<tr>
<td>Tolerances on geometrical data</td>
<td>EN 1090-2</td>
</tr>
<tr>
<td>Weldability</td>
<td>NPD</td>
</tr>
<tr>
<td>Fracture toughness</td>
<td>NPD</td>
</tr>
<tr>
<td>Load bearing capacity</td>
<td>NPD</td>
</tr>
<tr>
<td>Fatigue strength</td>
<td>NPD</td>
</tr>
<tr>
<td><strong>Safety in case of Fire:</strong></td>
<td></td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>Class A1</td>
</tr>
<tr>
<td>Resistance to fire</td>
<td>NPD</td>
</tr>
</tbody>
</table>
**voestalpine Metsec plc**

| **Health, Safety and the Environment** | NPD  
| Release of Cadmium | NPD  
| Emission of Radioactivity |  

| **Durability** | Zinc coating (Z275/Z600) in accordance with EN 10346:2009 |

**Declared Performance**

<table>
<thead>
<tr>
<th><strong>Essential Characteristics</strong></th>
<th><strong>Performance</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Structural Characteristics</strong></td>
<td>Design according to EN 1993-1-3. The technical documentation relevant to the above product can be made available for inspection on application.</td>
</tr>
<tr>
<td>Load bearing capacity</td>
<td>See note above</td>
</tr>
<tr>
<td>Deformation and serviceability limit state</td>
<td>NPD</td>
</tr>
<tr>
<td>Fatigue Strength</td>
<td></td>
</tr>
</tbody>
</table>

**Manufacturing**

According to voestalpine Metsec plc component specifications, and EN 1090-2 EXC 4.

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 harmonised 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 Manager  
Signed in the premises of voestalpine Metsec plc  
Oldbury West Midlands  

**Date of issue**  
28th June 2016