

# DECLARATION OF PERFORMANCE

## HU-01-16

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| <b>Type:</b>   | Shot blasted material to ISO8501 sa2.5   |
| <b>Intended Use:</b>   | Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold-formed or with other technologies - sections/ profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel materials |
| <b>Manufacturer:</b>   | Struthers & Carter Limited<br>Erimus Works<br>Valletta Street,<br>Hull<br>HU9 5NU  |
| <b>System of assessment and verification of constancy of performance:</b>  | System 2+  |
| <b>Notified Body:</b>  | Steel Construction Certification Scheme<br>4, Whitehall Court,<br>Westminster<br>London<br>SW1A 2ES  |
| <b>Notified Body No:</b>   | 2273   |
| <b>Execution Class</b>   | Approved up to and including EXC4.   |
| Steel Construction Certificate Scheme has performed:-<br>(i) An initial inspection of the manufacturing plant & factory product control and<br>(ii) Continuous surveillance, assessment and evaluation of factory production control and issued Factory Control Certificate 2273-CPR-0052. |  |

| Essential Characteristics                   | Performance   | Harmonised technical specification |
|---|---|------------------------------------|
| <b>Tolerances on dimensions and shape</b>   | EN 1090-2   | EN 1090-1:2009+A1:2011             |
| <b>Weldability</b>                          | EN 10025-2: S235, S275, S355<br>EN 10210-1/EN 10219-1: S235, S275, S355, S420, S460   | EN 1090-1:2009+A1:2011             |
| <b>Fracture toughness/impact resistance</b> | EN10025-2/EN10210-1/EN 10219-1:<br>JR(H) 27J @ 20°C<br>JO(H) 27J @ 0°C<br>J2(H) 27J @ -20°C<br>K2(H) 40J @ -20°C<br>NH, NLH, MH, MLH 40J @ -20°C<br>& 27J @ -50°C | EN 1090-1:2009+A1:2011             |
| <b>Load bearing capacity</b>                | NPD   | EN 1090-1:2009+A1:2011             |
| <b>Fatigue strength</b>                     | NPD   | EN 1090-1:2009+A1:2011             |
| <b>Resistance to fire</b>                   | NPD   | EN 1090-1:2009+A1:2011             |
| <b>Reaction to fire</b>                     | Class A1 (steel only)   | EN 1090-1:2009+A1:2011             |
| <b>Release of cadmium and its compounds</b> | NPD   | EN 1090-1:2009+A1:2011             |
| <b>Radioactivity</b>                        | NPD   | EN 1090-1:2009+A1:2011             |
| <b>Durability</b>                           | Surface preparation to BS EN 1090-2 preparation grade P3  | EN 1090-1:2009+A1:2011             |

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer.



Mel Bray  
Director, Integrated Management Systems

