

Declaration of Performance

Ref ASD 14 - 04 - 2945

Process:	Profiling - Thermal Cutting
Intended Use:	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 material
Manufacturer:	ASD Ltd, Pear Tree Lane, Dudley, West Midlands, DY2 0XA
System of assessment and verification of constancy performance:	System 2+
Notified Body:	Steel Construction Certification Scheme
Notified Body Number:	2273
Steel Construction Certificate Scheme has performed: - (i) An initial inspection of the manufacturing plant and factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued a Factory Control Certificate 2273 – CPR – 0100.	

Essential Characteristics	Performance	Harmonised Technical Specification
Tolerances of Dimensions and Shape	BS EN 1090-2, Quality of Cut surfaces in accordance with EN ISO 9013. Hardness of free edge surfaces in accordance with BS EN 1090 -2: 2008 +A1 2011	BS EN 1090 –1:2009+A1:2011
Weldability	BS EN 10025-2; S235, S275, S355 BS EN10210-1/BS EN10219-1: S235,S275, S355, S420,S460 BS EN 1090 -2 (Hardness tolerance <380HV)	BS EN 1090 –1:2009+A1:2011
Fracture toughness / impact resistance	BS EN10025 -2/BS EN10210-1/BS EN10219-1 JR(H) 27J @ 20°C JO (H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C BS EN 1090 -2 (Hardness tolerance <380HV)	BS EN 1090 –1:2009+A1:2011
Loadbearing capacity	NPD	BS EN 1090 –1:2009+A1:2011
Fatigue strength	NPD	BS EN 1090 –1:2009+A1:2011
Resistance to fire	NPD	BS EN 1090 –1:2009+A1:2011
Reaction to fire	Class A1 (Steel only)	BS EN 1090 –1:2009+A1:2011
Release of cadmium and its compounds	NPD	BS EN 1090 –1:2009+A1:2011
Radioactivity	NPD	BS EN 1090 –1:2009+A1:2011
Durability	NPD	BS 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:



José María Roger
CEO ASD Ltd