



POWERHOUSE DESIGN & ENGINEERING LTD

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Declaration of Performance

Execution class: 2

Intended Use:	Structural steelwork construction components and/or kits for use in building and civil engineering works.
Manufacturer:	Powerhouse Design & Engineering Ltd.
Verification of Consistency:	System 2+
Notified Body:	BMTrada, Chiltern House, Stocking Lane, Hughenden valley, High Wycombe, Bucks., HP14 4ND.
Notified Body No:	1224

BMTRADA has performed (i) initial inspection of the manufacturing plant and factory product control and (ii) continuous surveillance assessment and evaluation of factory production control and issued Factory Production Control Certificate 1224-CPR-0807

Essential Characteristics	Performance	Harmonised Technical Specification
Tolerances on dimensions and shape	EN 1090-2, tolerance class 1	EN 1090-1: 2011
Weldability	EN-10025-2: S355, EN 10025-2: S275 EN 10210-2: S355, EN 10219-2: S355	EN 1090-1: 2011
Fracture toughness/impact resistance	S275JR(27J@20°C) S355J2, S355JO, S355JR, S355J2H	EN 1090-1: 2011
Load bearing capacity	NPD	EN 1090-1: 2011
Fatigue Strength	NPD	EN 1090-1: 2011
Resistance to fire	NPD	EN 1090-1: 2011
Reaction to fire	Class A1 (steel only)	EN 1090-1: 2011
Release of cadmium and its compounds	NPD	EN 1090-1: 2011
Radioactivity	NPD	EN 1090-1: 2011
Durability	NPD	EN 1090-1: 2011

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

Signed for and on behalf of Powerhouse Design & Engineering Ltd. by:

Kevin McEvoy, Powerhouse Design & Engineering Ltd., Unit 6, St Margarets Business Park, Moormead Rd., Twickenham, Middlesex, TW1 1JN