



Declaration of Performance
(according to regulation EU No 305/2011)

Unique identification code of the product-type:
No. BS Section S275M

Section S275M / 1.8818 according EN 10025-4

Intended use:
To be used in Metal Structures and Composite Metal and
Concrete Structures

Manufacturer:
British Steel Limited
PO Box 1, Brigg Road
Scunthorpe, DN16 1BP

Tel: +44 (0)1724 404040

Website : www.britishsteel.co.uk

System of assessment and verification of constancy of
performance of the product:
System 2+

Factory Production Control Notified Body No. 2814 performed the initial
inspection of the manufacturing plant and of factory production control and the
continuous surveillance, assessment, and evaluation of factory production
control and issued the certificate of conformity of the factory production control.

The performance of the product identified in the Declared Performance is in
conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with:
Regulation EU No 305/2011 under the sole responsibility of the
manufacturer identified above.

Certificate No. 2814/CPR/LRQ0860859/1

Signed for and on behalf of the manufacturer by:

Richard Holcroft
COO, British Steel Limited

1st July, 2021
Date

Essential characteristic	Declared Performance			Harmonised Standard
Tolerances on dimensions and shape	I & H Sections		EN 10034	EN10025-1 2004
	Equal Flange Tee		EN 10055	
	Equal Angle		EN 10056-2	
	Unequal Angle		EN10056-2	
	Tapered Flange I		EN 10024	
	Bulb Flats		EN 10067	
	Channels		EN 10279	
Yield strength (transverse)	Nominal thickness (mm)		Values Min (MPa)	
	>	<=		
	-	16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	245	
Tensile strength (transverse)	Nominal thickness (mm)		Values (MPa)	
	>	<=	min max	
	5	40	370 530	
	40	63	360 520	
	63	120	350 510	
Elongation (transverse)	Nominal thickness (mm)		Values min (% 5.65√s ₀)	
	>	<=		
	5	120	24	
Impact strength (longitudinal)	40J at - 20°C			
Weldability CEV	Nominal thickness (mm)		Values max (%)	
	>	<=		
	-	16	0.34	
	16	40	0.34	
	40	63	0.35	
	63	120	0.38	
Durability	Nominal thickness (mm)		Values min (%)	Values max (%)
	-	120		Mn: 1.50 Cr: 0.30 Cu: 0.55 C: 0.13 Si: 0.50 P: 0.030 S: 0.025 Nb: 0.050 V: 0.08 Ti: 0.05 Ni: 0.30 Mo: 0.10 N: 0.015



2814

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Harmonised Standard :
EN 10025-1 – 2004

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Elongation :
Tensile Strength :
Yield Strength : EN 10025-4
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined

EU Notified Body

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