



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

Unique identification code of the product-type:
No. BS Section S355M

Section S355M / 1.8823 according EN 10025-4

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

Manufacturer:
British Steel Limited
Brigg Road
Scunthorpe, DN16 1XA

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. 0343 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. 0343/CPR/LRQ0860859/1

Signed for and on behalf of the manufacturer by:

Chris Vaughan
Chief Operating Officer (Interim),
British Steel Limited

22nd January 2026
Date

Essential characteristic	Declared Performance		Harmonised Standard	
Tolerances on dimensions and shape	I & H Sections		EN 10034	
	Equal Flange Tee		EN 10055	
Yield strength (transverse)	Equal Angle		EN 10056-2	
	Unequal Angle		EN10056-2	
	Tapered Flange I		EN 10024	
	Bulb Flats		EN 10067	
	Channels		EN 10279	
	Nominal thickness (mm)		Values Min (MPa)	
	>	<=		
	-	16	355	
16	40	345		
40	63	335		
63	80	325		
80	100	325		
100	150	320		
Tensile strength (transverse)	Nominal thickness (mm)		Values (MPa)	
	>	<=	min	max
	0	40	470	630
	40	63	450	610
	63	80	440	600
	80	100	440	600
	100	150	430	590
	Elongation (transverse)	Nominal thickness (mm)		Values min (% 5.65√s ₀)
>		<=		
0		150	22	
Impact strength (longitudinal)			40J at - 20°C	
Weldability CEV	Nominal thickness (mm)		Values max (%)	
	>	<=		
	-	16	0.39	
	16	40	0.39	
	40	63	0.40	
	63	120	0.45	
	63	120	0.45	
Durability	Nominal thickness (mm)		Values min (%)	Values max (%)
	-	120		Mn: 1.60 Cr: 0.30 Cu: 0.55 C: 0.14 Si: 0.50 P: 0.030 S: 0.025 Nb: 0.050 V: 0.10 Ti: 0.05 Ni: 0.50 Mo: 0.10 N: 0.015



0343

Manufacturer:
British Steel Limited
Brigg Road
Scunthorpe, UK

20

Unique identification code of the product-type:
BS Section S355M

Harmonised Standard :
EN 10025-1 – 2004

Section S355M / 1.8823

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

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

Dangerous Substances : No Performance Determined

EU Notified Body
LRQA Nederland B.V.
George Hintzenweg 77, 3068 AX
Rotterdam, Netherlands
Tel : +31 (0)10 2248500
Website: www.lrqacom