

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S355J0

Bars & Section S355J0 / 1.0553 according EN 10025-2: 2004

Intended use:
Welded, bolted and riveted structures

Manufacturer:
Liberty Merchant Bar plc
Liberty House, P O Box 15
Brigg Road, Scunthorpe
DN16 1XL United Kingdom

T: +44 (0) 1724 853333
F: +44 (0) 1724 403044

Website: <http://www.libertysteelscunthorpe.com/>

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

Scope as detailed in Certificate of Conformity of
 Factory Production Control No: **2814/CPR/20060002/A**

Notified factory production control certification 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 above 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.



Subhajit Roy Chowdhury
 Chief Executive Officer
 GFG Alliance, UK

Date: 25-10-2021

Essential characteristic	Performance		Harmonised specification	
Tolerances on dimensions and shape	Flat Bar		EN10058	
	Equal & Unequal Angle		EN 10056-1 & 2	
	Rounds		EN 10060	
	Squares		EN 10059	
	PFC		EN 10279	
	I & H Sections		EN 10034	
Yield strength (longitudinal)	Nominal thickness (mm)		Values Min (MPa)	
	>	≤		
	-	16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)	
	≥	≤	min	max
	3	100	470	630
Elongation (longitudinal)	Nominal thickness (mm)		Values min (% , 5.65V _{so})	
	>	≤		
	-	40	22	
	40	63	21	
	63	100	20	
Impact strength (longitudinal)	J0		27J at 0°C	
Weldability CEV	Nominal thickness (mm)		Values max (%)	
	>	≤		
	-	30	0.45	
	30	100	0.47	
Durability	Nominal thickness (mm)		Values max (%)	
	-	≤40	C: 0.20 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55	
		>40	C: 0.22 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55	

EN10025-1:2004



2814

EN 10025-1 – 2004

Bar and Section S355J0 / 1.0553

To be used in welded, bolted and riveted structures

Elongation:
 Tensile Strength:
 Yield Strength: EN10025-2
 Impact Strength:
 Weldability:
 Durability:

Dangerous Substances: No Performance Determined

CE Marking Notified Body:
 Lloyd's Register Verification B.V.
 K.P. van der Mandelelaan 41A
 Rotterdam, Netherlands
 Phone : +31 (0)10 4145088
 Email : rotterdam@lr.org

Liberty Merchant Bar

