

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S355J2

Bars & Section S355J2 / 1.0577 according EN 10025-2: 2004

Intended use:
Welded, bolted and riveted structures

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

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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 Equal & Unequal Angle Rounds Squares PFC I & H Sections	EN10058 EN 10056-1 & 2 EN 10060 EN 10059 EN 10279 EN 10034	EN10025-1 2004			
Yield strength (longitudinal)	Nominal thickness (mm)	Values Min (MPa)				
	>	≤				
	-	16			355	
	16	40			345	
	40	63			335	
	63	80			325	
Tensile strength (longitudinal)	80	100			315	
	Nominal thickness (mm)	Values (MPa)			min	max
	≥	≤			470	630
Elongation (longitudinal)	Nominal thickness (mm)	Values min (% , 5.65v _{so})				
	>	≤				
	-	40	22			
	40	63	21			
Impact strength (longitudinal)	63	100	20			
	J2	27J at -20°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				



2814

EN 10025-1 – 2004

Bar and Section S355J2 / 1.0577

To be used in welded, bolted and riveted structures

Elongation:
 Tensile Strength:
 Yield Strength:
 Impact Strength:
 Weldability:
 Durability:

EN10025-2

Dangerous Substances: No Performance Determined

CE Marking Notified Body:
 Lloyd's Register Verification B.V.
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Liberty Merchant Bar

