

Declaration of Performance

(The Construction Products (Amendment) (EU Exit) Regulations 2020 No.1359)

Unique identification of product type:
Number: LMB Section & Bar S275J0

Bars & Section S275J0 / 1.0143 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

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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: **0038/CPR/20060002/A**

Factory production control assessment body No. 0038 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 Exit) 2020 No 1359, 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	275		
	16	40	265		
	40	63	255		
	63	80	245		
	80	100	235		
Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)			
	≥	≤	min	max	
	3	100	410	560	
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 (%)			
	>	≤			
	-	40	0.40		
	40	150	0.42		
Durability	Nominal thickness (mm)	Values max (%)			
	-	>40	C: 0.18 Mn: 1.50 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55		



0038

EN 10025-1 – 2004

Bar and Section S275J0 / 1.0143

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

UK Conformity Assessment Body:
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Liberty Merchant Bar

