

## Declaration of Performance

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

Unique identification of product type:  
**Number: LMB Section & Bar S275JR**

**Bars & Section S275JR / 1.0044 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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**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: **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 Equal & Unequal Angle		EN10058		EN10025-1:2004
	Rounds		EN 10056-1 & 2		
Squares		EN 10060			
PFC		EN 10059			
I & H Sections		EN 10279			
		EN 10034			
Yield strength (longitudinal)	Nominal thickness (mm)		Values Min (MPa)		
	>	≤			
	-	16	275		
	16	40	265		
	40	63	255		
	63	80	245		
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)		
	≥	≤	min	max	
	3	100	410	560	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (% 5.65vso)		
	>	≤			
	-	40	22		
	40	63	21		
63	100	20			
Impact strength (longitudinal)	JR		27J at +20°C		
Weldability CEV	Nominal thickness (mm)		Values max (%)		
	>	≤			
	-	40	0.40		
	40	150	0.42		
Durability	Nominal thickness (mm)		Values max (%)		
	-	≤40	C:0,21 Mn: 1,50 P: 0,035 S: 0,035 N: 0.012 Cu: 0,55		
	>40	150	C:0,22 Mn: 1,50 P: 0,035 S: 0,035 N: 0.012 Cu: 0,55		



0038

EN 10025-1 – 2004

**Bar and Section S275JR / 1.0044**

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:**  
 Lloyds Register Verification Limited  
 71 Fenchurch Street, London, EC3M 4BS  
 Tel:+44 (0)207 423 2428  
 Email : [ecdirectives@lr.org](mailto:ecdirectives@lr.org)  
 Website : [www.lr.org](http://www.lr.org)

**Liberty Merchant Bar**

