



## Declaration of Performance

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

Unique identification of product type:  
**Number: LMB Section & Bar S235J0**

**Bars & Section S235J0 / 1.0114 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: **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	EN10025-1 2004
	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	235	
	16 - 40	225	
	40 - 100	215	
Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)	
	≥ 3	min max	
	3 - 100	360 510	
	100 - 150		
Elongation (longitudinal)	Nominal thickness (mm)	Values min (% , 5.65√so)	
	> 3	26	
	3 - 40	25	
	40 - 63	24	
Impact strength (longitudinal)	J0	27J at 0°C	
Weldability CEV	Nominal thickness (mm)	Values max (%)	
	> 40	0.35	
	40 - 150	0.38	
	150 - 200		
Durability	Nominal thickness (mm)	Values max (%)	
	- 150	C: 0.17 Mn: 1.40 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55	



0038

EN 10025-1 – 2004

**Bar and Section S235J0 / 1.0114**

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**

