

Declaration of Performance

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

Unique identification of product type:
Number: LMB Section & Bar S355JR

Bars & Section S355JR / 1.0045 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 Equal & Unequal Angle		EN10058	
	Rounds Squares PFC I & H Sections		EN 10056-1 & 2 EN 10060 EN 10059 EN 10279 EN 10034	
Yield strength (longitudinal)	Nominal thickness (mm)		Values Min (MPa)	
	>	≤		
	-	16	355	
	16	40	345	
	40	63	335	
	63	80	325	
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)	
	≥	≤	min	max
	3	100	470	630
			315	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (% , 5.65V _{so})	
	>	≤		
	-	40	22	
	40	63	21	
	63	100	20	
Impact strength (longitudinal)	JR		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:0.24 Si: 0.55 Mn: 1.60 P: 0.035 S: 0.035 N: 0.012 Cu: 0.55	



0038

EN 10025-1 – 2004

Bar and Section S355JR / 1.0045

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

UK Conformity Assessment Body:
 Lloyds Register Verification Limited
 71 Fenchurch Street, London, EC3M 4BS
 Tel:+44 (0)207 423 2428
 Email : ecdirectives@lr.org
 Website : www.lr.org

Liberty Merchant Bar

