

## Declaration of Performance

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

Unique identification of product type:  
**Number: LMB Section & Bar S355K2**

**Bars & Section S355K2 / 1.0596 according EN 10025-2: 2004**

Intended use:  
**Welded, bolted and riveted structures**

Manufacturer:  
**Liberty Merchant Bar plc**  
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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 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
Elongation (longitudinal)	3	100	470	630
	Nominal thickness (mm)	Values min (%; 5.65v <sub>so</sub> )		
	>	≤		
	-	40	22	
	40	63	21	
Impact strength (longitudinal)	63	100	20	
	K2	27J at -30°C 40J 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: 0.025 S: 0.025 Cu: 0.55	
		>40	C: 0.22 Si: 0.55 Mn: 1.60 P: 0.025 S: 0.025 Cu: 0.55	



0038

EN 10025-1 – 2004

**Bar and Section S355K2 / 1.0596**

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:**  
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 Email : [ecdirectives@lr.org](mailto:ecdirectives@lr.org)  
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**Liberty Merchant Bar**

