

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S275J2

Bars & Section S275J2 / 1.0145 according EN 10025-2: 2004

Intended use:
Welded, bolted and riveted structures

Manufacturer:
Liberty Merchant Bar plc
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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**

Notified factory production control certification 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) No 305/2011, under the sole responsibility of the manufacturer identified above.



Keith Shillam – Managing Director
 Liberty Merchant Bar plc

Date: 28/01/2019

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)	EN10025-1 2004		
	>	≤			
	-	16		275	
	16	40		265	
	40	63		255	
	63	80		245	
	80	100		235	
Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)	EN10025-1 2004		
	≥	≤		min	max
	3	100		410	560
Elongation (longitudinal)	Nominal thickness (mm)	Values min (% 5.65v _{so})	EN10025-1 2004		
	>	≤			
	-	40		22	
	40	63		21	
	63	100		20	
Impact strength (longitudinal)	J2	27J at -20°C			
Weldability CEV	Nominal thickness (mm)	Values max (%)	EN10025-2		
	>	≤			
	-	40		0.40	
	40	150		0.42	
Durability	Nominal thickness (mm)	Values max (%)	EN10025-2		
	-	>40		C: 0.18 Mn: 1.50 P: 0.025 S: 0.025 Cu: 0.55	



0038

EN 10025-1 – 2004

Bar and Section S275J2 / 1.0145

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

CE Marking Notified Body:
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Liberty Merchant Bar