

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S355J0

Bars & Section S355J0 / 1.0553 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
	Nominal thickness (mm)		Values (MPa)		
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	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)		
	≥	≤	min	max	
	3	100	470	630	
	Elongation (longitudinal)		Values min (%; 5.65V _{so})		
	>	≤			
Impact strength (longitudinal)	Nominal thickness (mm)		Values max (%)		
	-	30	0.45		
	30	100	0.47		
	Durability		Values max (%)		
-	≤40	C: 0.20 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55			
	>40	C: 0.22 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55			



0038

EN 10025-1 – 2004

Bar and Section S355J0 / 1.0553

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

CE Marking Notified Body:
 Lloyds Register Verification Limited
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 Website : www.lr.org

Liberty Merchant Bar