



LIBERTY STEEL NEWPORT LIMITED

Declaration of Performance
(According to regulation 305/2011/EU)

No. LSN Strip S235J2

- Code of the product type: 1.0117
- Type: Strip S235J2 according to EN 10025-2
To be used in welded, bolted, and riveted structures.
- Liberty Steel Newport Ltd, Corporation Road, Newport, South Wales, NP19 4XE
Tel +44(0)1633 290288

System of assessment and verification of constancy of performance of the product: System 2+

Notified factory production control certification body CARES, notified under registration number 1244 and of factory production control. Certification was transferred to notified factory production control certification body Kiwa Nederland B.V. Notified under registration number 0063, after the U.K. left the E.U. CARES maintains a continuous surveillance, assessment, and evaluation of factory production control on behalf of Kiwa. Kiwa issues the certificate of conformity of the factory production control:

Certificate No: 0063-CPR-106791/01

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Paul Cornelius,

Works Manager, Liberty Steel Newport Ltd.

Date 02/08/2022

Essential Characteristic	Performance declaration		Harmonised technical specification	
Tolerances on dimensions and shape	Dimensions Flatness	EN10051 EN10051	EN 10025-1 :2004	
		Nominal thickness (mm)		Min Values%, (Lo = 80 mm)
		>		
		1.4		1.5
		1.5		2
Elongation (transverse)	2	2.5	18	
	2.5	3	19	
	≥ 3	12.5	24 (Lo = 5.65 √so)	
	Nominal thickness (mm)	Values (MPa)	Min	
Tensile strength (transverse)	>	≤	Max	
	1.4	12.5	360	
Yield strength (transverse)	Nominal thickness (mm)	Min Value (MPa)	510	
	>	≤		
Impact strength (longitudinal)	J2	27J at -20°C		
	1.4	12.5	235	
Weldability CEV	Nominal thickness mm	Max value (%)		
	> 1.4	≤ 12.5	0.35	
Durability	Nominal thickness mm	Max Values %		
		> 1.4	≤ 12.5	
		C	0.17	
		Min	1.40	
		P	0.025	
	S	0.025		
	N	0.012		
	Cu	0.55		
The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0.020% or if sufficient other N binding elements are present.				



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Newport, South Wales NP19 4XE

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LSN Strip S235J2

EN 10025-1 :2004

1.0117

To be used in welded, bolted, and riveted structures

Tolerances on dimensions and shape: EN 10051

Elongation:

Tensile strength:

Yield strength: Steel S235J2-EN 10025-2

Impact strength:

Weldability:

Durability:

Dangerous substances: No performance determined