



**LIBERTY STEEL NEWPORT LIMITED**

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

- No. LSN Strip S235J2
- 1. Code of the product type: 1.0117
- 2. Type: Strip S235J2 according to EN 10025-2  
To be used in welded, bolted, and riveted structures.
- 3. 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 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:

**Certificate No: 1244-CPR-1017**

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			
Elongation (transverse)	Nominal thickness (mm)	Min Values%, (Lo = 80 mm)			
		>			
		1.4		1.5	16
		1.5		2	17
		2		2.5	18
		2.5		3	19
Tensile strength (transverse)	Nominal thickness (mm)	24 (Lo = 5,65 Nso)			
		> 3			
		Values (MPa)			
Yield strength (transverse)	Nominal thickness (mm)	Min			
		≤			
		Max			
Impact strength (longitudinal)	J2	360	EN 10025-1:2004		
		1.4		510	
		Min Value (MPa)			
Weldability CEV	Nominal thickness mm	≤			
		>			
		1.4		235	
Durability	Nominal thickness mm	27J at -20°C			
		> 1.4			
		≤ 12.5		Max value (%)	
		0.35			
		Max Values %			
		C		0.17	
Mn	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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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:

Impact strength:

Weldability:

Durability:

Dangerous substances: No performance determined

Steel S235J2-EN 10025-2