



LIBERTY STEEL NEWPORT LIMITED

Declaration of Performance

(According to regulation 305/2011/EU)

No. LSN Strip S355J2

1. Code of the product type: 1.0577

2. Type: Strip S355J2 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. 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		
		Min Values% (Lo = 80 mm)		
Elongation (transverse)	Nominal thickness (mm)			
	>	≤		
	1.5	2	14	
	2	2.5	15	
	2.5	3	16	
Tensile strength (transverse)	Nominal thickness (mm)	20 (Lo = 5.6 √so)		
	≥	≤	Min	
	1.9	3	510	
	3	13	470	
			630	
Yield strength (transverse)	Nominal thickness (mm)	Min Value (MPa)		
	>	≤		
Impact strength (longitudinal)	J2	355	EN 10025-4:2004	
		27J at -20°C		
Weldability CEV	Nominal thickness mm	Max value (%)		
	> 1.9	≤ 12.5	0.45	
Durability	Nominal thickness mm	Max Values%		
		> 1.9	≤ 12.5	
		C	0.20	
		Si	0.55	
		Mn	1.60	
		P	0.025	
S	0.025			
	Cu	0.55		



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LSN Strip S355J2

EN 10025-1: 2004

1.0577

To be used in welded, bolted, and riveted structures

Tolerances on dimensions and shape: EN 10051

Elongation:

Tensile strength:

Yield strength: Steel S355J2-EN 10025-2

Impact strength:

Weldability:

Durability:

Dangerous substances: No performance determined