



LIBERTY STEEL NEWPORT LIMITED

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

- No. LSN Strip S355J0
1. Code of the product type: 1.0553
2. Type: Strip S355J0 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

	<p>Liberty Steel Newport Ltd, Corporation Rd, Newport, South Wales NP19 4XE</p> <p>15</p> <p>MSUK Strip S355J0</p>
<p>EN 10025-1: 2004</p> <p>1.0553</p> <p>To be used in welded, bolted, and riveted structures</p> <p>Tolerances on dimensions and shape: EN 10051</p> <p>Elongation: Tensile strength: Yield strength: Steel S355J0-EN 10025-2 Impact strength: Weldability: Durability:</p> <p>Dangerous substances: No performance determined</p>	

Essential Characteristic	Performance declaration		Harmonised technical specification	
Tolerances on dimensions and shape	Dimensions Flatness	EN10051 EN10051		
Elongation (transverse)	Nominal thickness (mm)	Min Values% (Lo = 80mm)		
	> 1.5	≤		
Tensile strength (transverse)	2	14		
	2.5	15		
	≥ 3	16		
	≥ 3	20 (Lo = 5.6 N _{iso})		
Yield strength (transverse)	≥	Min	Max	
	1.9	3	510	680
Impact strength (longitudinal)	3	13	470	630
	Nominal thickness (mm)	Min Value (MPa)		
Weldability CEV	>	≤		
	1.9	12.5	355	
Durability	10	27J at 0°C		
	Nominal thickness mm	Max value (%)		
Durability	> 1.9	≤ 12.5	0.45	
	Nominal thickness mm	Max Values%		
	> 1.9	≤ 12.5	C	0.20
			Si	0.55
			Mn	1.60
			P	0.030
		S	0.030	
		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				