



## LIBERTY STEEL NEWPORT LIMITED

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

No. LSN Strip S355JR

1. Code of the product type: 1.0045

2. Type: Strip S355JR 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			
		Nominal thickness (mm)		Min Values % (Lo = 80 mm)	
		>		≤	
		1.5		2	
		2		1.4	
Elongation (transverse)	2.5	1.5			
	2.5	3			
	≥3	1.6			
	12.5	20 (Lo = 5.6 √so)			
	Nominal thickness (mm)	Values (MPa)			
Tensile strength (transverse)	≥	Min	Max		
	1.9	3	510	680	
	3	13	470	630	
	Nominal thickness (mm)	Min Value (MPa)			
	>	≤			
Yield strength (transverse)	1.9	12.5	355	EN 10025-1:2004	
Impact strength (longitudinal)	JR	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	0.24
				Si	0.55
				Mn	1.60
				P	0.035
				S	0.035
				N	0.012
		Cu	0.55		
The max. value for nitrogen does not apply; if the chemical composition shows a minimum total Al content 0.020% or if sufficient other N binding elements are present					

 0063-CPR-106791/01	Liberty Steel Newport Ltd, Corporation Rd. Newport, South Wales NP19 4XE  15  MSUK Strip S355JR
EN 10025-1: 2004  1.0045	To be used in welded, bolted and riveted structures  Tolerances on dimensions and shape: EN 10051  Elongation: Tensile strength: Yield strength: Steel S355JR-EN 10025-2 Impact strength: Weldability: Durability:  Dangerous substances: No performance determined