



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 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	EN I 0025-1: 2004	
		EN10051		
Elongation (transverse)	Nominal thickness (mm)	Min Values % (Lo = 80 mm)	MSUK Strip S355JR	
		> 1.5		14
		2		15
		2.5		16
		> 3		20 (Lo = 5.6 ^{iso})
		≥		Min Max
Tensile strength (transverse)	Nominal thickness (mm)	Min	15	
		Max		
Yield strength (transverse)	Nominal thickness (mm)	Min Value (MPa)	15	
		Max		
Impact strength (longitudinal)	JR	27J at +20°C	EN I 0025-1: 2004	
		Max value (%)		
Weldability CEV	Nominal thickness mm	0.45	1.0045	
		Max Values %		
Durability	Nominal thickness mm	Max Values %	Steel S355JR-EN 10025-2	
		> 1.9		C 0.24
		≤ 12.5		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 of 0.020% or if sufficient other N binding elements are present				



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MSUK Strip S355JR

EN I 0025-1: 2004
1.0045

To be used in welded, bolted and riveted structures
Tolerances on dimensions and shape: EN 10051

Elongation:
Tensile strength:
Yield strength:
Impact strength:
Weldability:
Durability:

Dangerous substances: No performance determined