LIBERTY STEEL NEWPORT LIMITED

LIBERTY

Declaration of Performance
(According to regulation EU No. 305/2011)

No. LSN Strip S275J0

1. Code of the product type: 1.0143

2. Type: Strip S275J0 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:

Virinder B Garg - CEO, Liberty Steel Newport LTD
Date 30.01.2018

Essential Characteristic	Performance declaration				Harmonised technical specification
Tolerances on dimensions and shape	Dimensions Flatness		EN10051 EN10051		EN10025-1:2004
Elongation (transverse)	Nominal thickness (mm)		Min Values % (Lo = 80 mm)		
	>	≤			
	1	1.5	14		
	1.5	2	15		
	2	2.5	16		
	2.5	3	17		
	≥ 3	12.0	21 (Lo = 5.65√so)		
Tensile strength (transverse)	Nominal thickness (mm)		Values MPa		
	≥	<	Min	Max	
	1.4	3	430	580	
	3	12.5	410	560	
Yield strength (transverse)	Nominal thickness (mm)		Min Value (MPa)		
	>	≤			
	1.4	12.0	275		
Impact strength (longitudinal)	J0		27J at 0° C		
Weldability CEV	Nominal thickness mm		Max value (%)		
	> 1.4	≤ 12.0	0.40		
Durability	Nominal thickness mm		Max Values %		
	> 1.4	≤ 12.0	C	0.18	
			Mn	1.50	
			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.				

CE

1244

Liberty Steel Newport Ltd. Corporation Rd.
Newport, South Wales NP19 4XE

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LSN Strip S275J0

EN 10025-1: 2004

1.0143

To be used in welded, bolted and riveted structures

Tolerances on dimensions and shape: EN 10051

Elongation:
Tensile strength:
Yield strength: Steel S275J0-EN 10025-2
Impact strength:
Weldability:
Durability:

Dangerous substances: No performance determined