

## Declaration of Performance

(according to regulation EU No 305/2011)

No. Plate **S275NL**

Plate **S275NL / 1.0491** according **EN 10025-3**

To be used in Metal Structures and Composite Metal and Concrete Structures

### Liberty Steel Dalzell Limited

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United Kingdom

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Website: [www.libertyhg.com/Dalzell](http://www.libertyhg.com/Dalzell)

CE Marking Notified Body

Lloyds Register Verification Limited  
71 Fenchurch Street, London, EC3M 4BS

Tel: +44 (0)207 423 2428

Email: [ecdirectives@lr.org](mailto:ecdirectives@lr.org)

Website: [www.lr.org](http://www.lr.org)

System of assessment and verification of constancy of performance of the product  
System 2+

Notified factory production control certification body No. 0038 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



Jon Bolton

CEO Liberty Steel Dalzell Limited

Date: 15<sup>th</sup> September 2016



Essential Characteristic	Performance			Harmonised Technical Specification
	Tolerances on dimensions & shape	Thickness		
Flatness		EN 10029		
Yield strength (transverse)	Nominal Thickness (mm)		Values Min (Mpa)	
	>	<=		
	-	16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
Tensile strength (transverse)	Nominal Thickness (mm)		Values (Mpa)	
	>	<=	Min Max	
	5	100	370 510	
	100	150	350 480	
Elongation (transverse)	Nominal Thickness (mm)		Values Min (% , 5.65√so)	
	>	<=		
	0	63	24	
Impact strength (longitudinal)	L		27J at - 50°C	
			EN1005-1 2004	
Weldability CEV	Nominal Thickness (mm)		Values Max (%)	
	>	<=		
	-	63	0.40	
	63	100	0.40	
Durability	Nominal Thickness (mm)		Values Max (%)	
	0	150	C: 0.16	
			Si: 0.40	
			Mn: 1.50	
			P: 0.025	
			S: 0.020	
			Nb: 0.05	
			V: 0.05	
			Ti: 0.05	
			Cr: 0.30	
			Ni: 0.30	
			Mo: 0.10	
			Cu: 0.55	
			N: 0.015	



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EN 10025-1 – 2004

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Tolerances on dimensions: Plate EN10029

Elongation:

Tensile Strength:

Yield Strength: **EN10025-3**

Impact Strength:

Weldability:

Durability:

Dangerous Substances: No Performance Determined