

Declaration of Performance

(according to regulation EU No 305/2011)

No. Plate **S355NL**

Plate **S355NL / 1.0546** according **EN 10025-3**

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

Liberty Steel Dalzell Limited

Park Street, Motherwell, ML1 1PU
United Kingdom

Tel: +44 (0)1698 266100

Website: 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

Website: 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: 15th September 2016



Essential Characteristic	Performance		Harmonised Technical Specification	
Tolerances on dimensions & shape	Thickness		EN 10029	
	Flatness		EN 10029	
Yield strength (transverse)	Nominal Thickness (mm)		Values Min (Mpa)	
	>	<=		
	-	16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
100	150	295		
Tensile strength (transverse)	Nominal Thickness (mm)		Values (Mpa)	
	>	<=	Min	Max
	5	100	470	630
	100	150	450	600
Elongation (transverse)	Nominal Thickness (mm)		Values Min (%), 5.65√so	
	>	<=		
	0	63	22	
	63	150	21	
Impact strength (longitudinal)	L		27J at - 50°C	
Weldability CEV	Nominal Thickness (mm)		Values Max (%)	
	>	<=		
	-	63	0.43	
	63	100	0.45	
100	150	0.45		
Durability	Nominal Thickness (mm)		Values Max (%)	
	0	150	C: 0.18	
			Si: 0.50	
			Mn: 1.65	
			P: 0.025	
			S: 0.020	
			Nb: 0.05	
			V: 0.12	
			Ti: 0.05	
			Cr: 0.30	
			Ni: 0.30	
			Mo: 0.10	
			Cu: 0.55	
N: 0.015				

EN1005-1 2004



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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