

Declaration of Performance

(according to regulation EU No 305/2011)

No. Plate **S235JR**

Plate **S235JR / 1.0038** according **EN 10025-2**

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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CE Marking Notified Body

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

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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	235	
	16	40	225	
	40	63	215	
	63	80	215	
	80	100	215	
Tensile strength (transverse)	Nominal Thickness (mm)		Values (Mpa)	
	>	<=	Min	Max
	5	100	360	510
	100	150	350	500
Elongation (transverse)	Nominal Thickness (mm)		Values Min (% , 5.65 ^{√so})	
	>	<=		
	5	40	24	
	40	63	23	
	63	100	22	
Impact strength (longitudinal)	JR		27J at + 20°C	
Weldability CEV	Nominal Thickness (mm)		Values Max (%)	
	>	<=		
	-	40	0.35	
Durability	-	<=40	Values Max (%)	
			C: 0.17	
			Mn: 1.40	
			P: 0.035	
			S: 0.035	
	>40	150	Values Max (%)	
			C: 0.20	
			Mn: 1.40	
			P: 0.035	
			S: 0.035	
		N: 0.012		
		Cu: 0.55		

EN10025-1 2004



0038

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EN 10025-1 – 2004

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Tolerances on dimensions: Plate EN10029

Elongation:

Tensile Strength:

Yield Strength: **EN10025-2**

Impact Strength:

Weldability:

Durability:

Dangerous Substances: No Performance Determined