

Declaration of Performance

(according to regulation EU No 305/2011)

No. Plate **S355M**

Plate **S355M / 1.8823** according **EN 10025-4**

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

Liberty Steel Dalzell Limited

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CE Marking Notified Body
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
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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	
Tensile strength (transverse)	Nominal Thickness (mm)		Values (Mpa)	
	>	<=	Min	Max
	5	40	470	630
	40	63	450	610
	63	100	440	600
Elongation (transverse)	Nominal Thickness (mm)		Values Min (% , 5.65√so)	
	>	<=		
	0	120	22	
Impact strength (longitudinal)				40J at - 20°C
Weldability CEV	Nominal Thickness (mm)		Values Max (%)	
	>	<=		
	-	40	0.39	
	40	63	0.40	
Durability	Nominal Thickness (mm)		Values Max (%)	
	0	120	C: 0.14	
			Si: 0.50	
			Mn: 1.60	
			P: 0.030	
			S: 0.025	
			Nb: 0.05	
			V: 0.10	
			Ti: 0.05	
			Cr: 0.30	
			Ni: 0.50	
			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: **EN10025-4**
Impact Strength:
Weldability:
Durability:
Dangerous Substances: No Performance Determined