

## Declaration of Performance

(according to regulation EU No 305/2011)

No. Plate **S355J0**

Plate **S355J0 / 1.0553** according **EN 10025-2**

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](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		EN 10029	
	Flatness		EN 10029	
Yield strength (transverse)	Nominal Thickness (mm)		Values Min (Mpa)	
	>	<=		
	-	16	355	
	16	40	345	
	40	63	325	
	63	80	325	
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)	
	>	<=		
	5	40	20	
	40	63	19	
	63	100	18	
Impact strength (longitudinal)	<b>J0</b>		27J at 0°C	
	Nominal Thickness (mm)		Values Max (%)	
Weldability CEV	>	<=		
	-	30	0.45	
	30	40	0.47	
	40	150	0.47	
Durability	Nominal Thickness (mm)		Values Max (%)	
	-	<=40	C: 0.20 (>30mm 0.22)	
			Si: 0.55	
			Mn: 1.60	
			P: 0.030	
			S: 0.030	
	>40	150	N: 0.012	
			Cu: 0.55	
			C: 0.20	
			Si: 0.55	
Mn: 1.60				
		P: 0.030		
		S: 0.030		
		N: 0.012		
		Cu: 0.55		

EN10025-1 2004



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United Kingdom

16

Plate **S355J0**

EN 10025-1 – 2004

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

Tolerances on dimensions: Plate EN10029

Elongation:  
Tensile Strength:  
Yield Strength: **EN10025-2**  
Impact Strength:  
Weldability:  
Durability:  
Dangerous Substances: No Performance Determined