

## Declaration of Performance

(according to Construction Product Regulation (EU Exit)  
2020 No 1359)

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: <https://libersteeelgroup.com/uk/our-locations/liberty-steel-dalzell/>


UK Conformity Assessment Body  
LRQA Verification Limited, 1 Trinity Park  
Bickenhill Lane, Birmingham B37 7ES  
Tel: +44 (0)330 414 1351  
Website: www.lrq.com

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

iFactory production control assessment 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

Signed for and behalf of Liberty Steel Dalzell Ltd;

Name: Kenny McLeary  
Title: Technical Manager

Sign:   
Date: 04/02/22



Essential Characteristic	Performance				Harmonised Technical Specification
Tolerances on dimensions & shape	Thickness		EN 10029		EN10025-1 2004
	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			



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Plate **S355J0**

EN 10025-1 – 2004

Plate **S355J0 / 1.0553**

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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