

**Declaration of Performance**  
(according to regulation EU No 305/2011)

No. LPE Plate S355J2

**Plate S355J2 / 1.0577 according EN 10025-2**

To be used in-welded, bolted and riveted structures

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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 – Director, Long Products Europe  
Tata Steel UK Limited

**1<sup>st</sup> July 2013**  
Date

Essential characteristic	Performance		Harmonised technical specification	
Tolerances on dimensions and 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	
	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)	
	>	<=		
	5	40	20	
	40	63	19	
	63	100	18	
	100	150	18	
Impact strength (longitudinal)	J2	27J at - 20°C		
Weldability CEV	Nominal thickness (mm)		Values max (%)	
	>	<=		
	-	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: 0,025 S: 0,025 Cu: 0,55	
	>40	150	C:0,22 Si: 0,55 Mn: 1,60 P: 0,025 S: 0,025 Cu: 0,55	

EN10025-1 2004



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Long Products Europe  
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Scunthorpe, UK

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LPE Plate S355J2

EN 10025-1 – 2004

Plate S355J2 / 1.0577

To be used in-welded, bolted and riveted structures

Tolerances on dimensions : Plate EN10029

Elongation :  
Tensile Strength :  
Yield Strength : EN10025-2  
Impact Strength :  
Weldability :  
Durability :

Dangerous Substances : No Performance Determined