

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

1st 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)				
		>	<=	355		
		-	16	40	345	
		40	63	325		
		63	80	325		
		80	100	315		
Tensile strength (transverse)	Nominal thickness (mm)	Values				
		Min (MPa)				
Elongation (transverse)	Nominal thickness (mm)	min				
		max				
		>	<=	470	630	
		5	100	450	600	
		100	150	450	600	
		Impact strength (longitudinal)	Nominal thickness (mm)	Values		
				min (% 5.65 $\sqrt{s_0}$)		
				>	<=	20
				5	40	19
				40	63	18
63	100			18		
Weldability CEV	Nominal thickness (mm)	27J at -20°C				
		Values				
Durability	Nominal thickness (mm)	max (%)				
		min (%)				
	Nominal thickness (mm)	Values				
		max (%)				
		>	<=	0.45		
		-	30	0.47		
		30	40	0.47		
		40	150	0.47		
		Chemical composition	Nominal thickness (mm)	Values		
				max (%)		
			Nominal thickness (mm)	C:0.20 (>=30mm 0.22)		
				Si: 0.55		
	Nominal thickness (mm)	Mn: 1.60				
		P: 0.025				
	Nominal thickness (mm)	S: 0.025				
		Cu: 0.55				
	Nominal thickness (mm)	C:0.22				
		Si: 0.55				
	Nominal thickness (mm)	Mn: 1.60				
		P: 0.025				
	Nominal thickness (mm)	S: 0.025				
		Cu: 0.55				

 0038	<p>Tata Steel Long Products Europe PO Box 1, Brigg Road Scunthorpe, UK</p> <p>13</p> <p>LPE Plate S355J2</p> <p>EN 10025-1 – 2004 Plate S355J2 / 1.0577</p> <p>To be used in-welded, bolted and riveted structures</p> <p>Tolerances on dimensions : Plate EN10029</p> <p>Elongation : Tensile Strength : EN10025-2 Yield Strength : Impact Strength : Weldability : Durability :</p> <p>Dangerous Substances : No Performance Determined</p>
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