

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

No. LPE Plate S235J2

Plate S235J2 / 1.0117 according EN 10025-2

To be used in-welded, bolted and riveted structures

Tata Steel UK Limited
Long Products Europe
PO Box 1, Brigg Road
Scunthorpe, DN16 1BP
Tel: +44 (0)1724 404040
Website : www.tatasteeleurope.com

CE Marking Notified Body
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Tel :+44 (0)207 423 2428
Email : ecdirectives@lr.org
Website : 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 – 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	
Yield strength (transverse)	Flatness	EN 10029		
	Nominal thickness (mm)	Values Min (MPa)		
	>	<=		
	-	16	235	
	16	40	225	
	40	63	215	
	63	80	215	
	80	100	215	
	100	150	195	
	Tensile strength (transverse)	Nominal thickness (mm)	Values (MPa)	
>		<=	min	max
5		100	360	510
100		150	350	500
Elongation (transverse)		Nominal thickness (mm)	Values min (% , 5.65√s ₀)	
	>	<=		
	5	40	24	
	40	63	23	
	63	100	22	
	100	150	22	
Impact strength (longitudinal)	J0	27J at - 20°C		
Weldability CEV	Nominal thickness (mm)	Values max (%)		
	>	<=		
	-	40	0.35	
	40	150	0.38	
Durability	Nominal thickness (mm)	Values max (%)		
	-	150	C: 0.17 Mn: 1.40 P: 0.025 S: 0.025 Cu: 0.55	

EN10025-1 2004



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LPE Plate S235J2

EN 10025-1 – 2004

Plate S235J2 / 1.0117

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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