

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

No. LPE Plate S235J0

Plate S235J0 / 1.0114 according EN 10025-2

To be used in-welded, bolted and riveted structures

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CE Marking Notified Body
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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		EN10025-1 2004
	Flatness		EN 10029		
Yield strength (transverse)	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√so)		
	>	<=			
	5	40	24		
	40	63	23		
	63	100	22		
	100	150	22		
Impact strength (longitudinal)	J0		27J at - 0°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: 0.030 S: 0.030 N: 0.012 Cu: 0.55		



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LPE Plate S235J0

EN 10025-1 – 2004

Plate S235J0 / 1.0114

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