

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

No. LPE Plate S235JR

Plate S235JR / 1.0038 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			
	Flatness	EN 10029			
Yield strength (transverse)	Nominal thickness (mm)	Values Min (MPa)			
		>	<=		
		-	16	235	
			40	225	
			63	215	
			80	215	
			100	215	
			150	195	
			Values (MPa)		
			min	max	
Tensile strength (transverse)	Nominal thickness (mm)	Values			
		>	<=		
			100	360	
			150	350	
			500	500	
			Values		
			min (%)	5.65(ISO)	
			>	<=	
			5	40	24
			40	63	23
Impact strength (longitudinal)	Nominal thickness (mm)	Values			
		63	100	22	
		100	150	22	
Weldability CEV	JR	27J at + 20°C			
		Values			
Durability	Nominal thickness (mm)	Values			
		>	<=		
			40	0.35	
			150	0.38	
			Values		
			max (%)		
			<=40	C:0.17	
				Mr: 1.40	
				P: 0.035	
				S: 0.035	
		N: 0.012			
		Cu: 0.55			
	>40	C:0.20			
		Mr: 1.40			
		P: 0.035			
		S: 0.035			
		N: 0.012			
		Cu: 0.55			



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LPE Plate S235JR

EN 10025-1 – 2004

Plate S235JR / 1.0038

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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