

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

No. LPE Plate S355JR

Plate S355JR / 1.0045 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		EN10025-1 2004
Yield strength (transverse)	Flatness	EN 10029			
	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√s ₀)			
	>	<=			
	5	40	20		
	40	63	19		
	63	100	18		
Impact strength (longitudinal)	100	150	18		
	JR	27J at + 20°C			
Weldability CEV	Nominal thickness (mm)	Values max (%)			
	>	<=			
	-	30	0.45		
	30	40	0.47		
Durability	40	150	0.47		
	Nominal thickness (mm)	Values max (%)			
	-	150	C: 0,24 Si: 0,55 Mn: 1,60 P: 0,035 S: 0,035 N: 0,012 Cu: 0,55		



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LPE Plate S355JR

EN 10025-1 – 2004

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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