

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

No. LPE Plate S355K2

Plate S355K2 / 1.0596 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	355	
	16	40	345	
	40	63	325	
	63	80	325	
	80	100	315	
Tensile strength (transverse)	Nominal thickness (mm)		Values (MPa)	
	>	<=	min	max
	5	100	470	630
	100	150	450	600
	Elongation (transverse)		Values min (% , 5.65√s ₀)	
>	<=			
5	40	20		
40	63	19		
63	100	18		
100	150	18		
Impact strength (longitudinal)	K2		40J at - 20°C	
Weldability CEV	Nominal thickness (mm)		Values max (%)	
	>	<=		
	-	30	0.45	
	30	40	0.47	
40	150	0.47		
Durability	Nominal thickness (mm)		Values max (%)	
	-	<=40	C:0,20 (>30mm 0,22) Si: 0,55 Mn: 1,60 P: 0,025 S: 0,025 Cu: 0,55	
	>40	-	C:0,22 Si: 0,55 Mn: 1,60 P: 0,025 S: 0,025 Cu: 0,55	

EN10025-1 2004



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Tata Steel
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Scunthorpe, UK

13

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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