

**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

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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

**1<sup>st</sup> 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)	Nominal thickness (mm)	Values min (%; 5.65√s <sub>0</sub> )	
>		<=		
5		40	20	
40		63	19	
63		100	18	
Impact strength (longitudinal)	K2	40J at - 20°C		
	Weldability CEV	Nominal thickness (mm)	Values max (%)	
>		<=		
-		30	0.45	
30		40	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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LPE Plate S355K2

EN 10025-1 – 2004

Plate S355K2 / 1.0596

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