

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

No. LPE Plate S690QL

**Plate S690QL / 1.8928 according EN 10025-6**

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		EN10025-1 2004
	Flatness		EN 10029		
Yield strength (transverse)	Nominal thickness (mm)		Values Min (Mpa)		
	>	<=			
	-	50	690		
	50	100	650		
Tensile strength (transverse)	Nominal thickness (mm)		Values (MPa)		
	>	<=	min	max	
	5	50	770	940	
	50	100	760	930	
Elongation (transverse)	Nominal thickness (mm)		Values min (% , 5.65√so)		
	>	<=			
	-	-	14		
	Impact strength (longitudinal)		30J at - 40°C		
Weldability CEV	Nominal thickness (mm)		Values max (%)		
	>	<=			
	-	50	0.65		
	50	100	0.77		
Durability	Nominal thickness (mm)		Values max (%)		
	-	150	C:0,20 Si: 0,80 Mn: 1,70 P: 0,020 S: 0,010 N: 0,015 B: 0,0050 Cr: 1,50 Cu: 0,50 Mo: 0,70 Nb: 0,06 Ni: 2,0 Ti: 0,05 V: 0,12 Zr: 0,15		

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Tata Steel Long Products Europe PO Box 1, Brigg Road Scunthorpe, UK  13  LPE Plate S690QL
EN 10025-1 – 2004  Plate S690QL / 1.8928  To be used in-welded, bolted and riveted structures  Tolerances on dimensions : Plate EN10029  Elongation : Tensile Strength : Yield Strength : EN10025-6 Impact Strength : Weldability : Durability :  Dangerous Substances : No Performance Determined