

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

No. LPE Plate S355M

**Plate S355M / 1.8823 according EN 10025-4**

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

**1<sup>st</sup> July 2013**  
Date

Essential characteristic	Performance		Harmonised technical specification		
	Thickness	EN 10029			
Tolerances on dimensions and shape	Flatness	EN 10029	EN10025-1 2004		
Yield strength (transverse)	Nominal thickness (mm)	Values Min (Mpa)			
	>	<=			
	-	16		355	
	16	40		345	
	40	63		335	
	63	80		325	
	80	100		325	
Tensile strength (transverse)	Nominal thickness (mm)	Values (MPa)			
	>	<=		min	Max
	5	40		470	630
	40	63		450	610
	63	100		440	600
	100	120		430	590
	Elongation (transverse)	Nominal thickness (mm)		Values min (% , 5.65√so)	
>		<=			
5		120	22		
Impact strength (longitudinal)		40J at - 20°C			
Weldability CEV	Nominal thickness (mm)	Values max (%)			
	>	<=			
	-	16	0.39		
	16	40	0.39		
	40	63	0.40		
Durability	Nominal thickness (mm)				
	-	120	C: 0,14 Si: 0,50 Mn: 1,60 P: 0,030 S: 0,025 Nb: 0,050 V: 0,10 Al: 0,020 Ti: 0,05 Cr: 0,30 Ni: 0,50 Mo: 0,10 Cu: 0,55 N: 0,015		

 0038
Tata Steel Long Products Europe PO Box 1, Brigg Road Scunthorpe, UK  13  LPE Plate S355M
EN 10025-1 – 2004 Plate S355M / 1.8823  To be used in-welded, bolted and riveted structures  Tolerances on dimensions : Plate EN10029  Elongation : Tensile Strength : Yield Strength : EN10025-4 Impact Strength : Weldability : Durability :  Dangerous Substances : No Performance Determined