

DECLARATION OF PERFORMANCE

(According to regulation EU No

305/2011) No. Plate S355JR

Plate S355JR / 1.0045 according EN 10025-2

To be used in-welded, bolted and riveted structures

Tomrods Limited

Hambleton Steel Works, York Road,
Thirsk, YO7 3BT.

Tel: +44 (0)1845 528200

Website: www.tomrods.co.uk

View DoP: www.tomrods.co.uk/standards/downloads

CE Marking Notified Body (No. 2273)

Steel Construction Certification Scheme

4 Whitehall Court, Westminster
London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

System of assessment and verification of constancy of
performance of the product:
System 2+

Steel Construction Certificate Scheme has performed (i)
initial inspection of the manufacturing plant and factory
product control and (ii) continuous surveillance, assessment
and evaluation of factory production control and issued
Factory Production Control certificate 2273-CPR-0141.



John Thompson
Managing Director
Tomrods Limited

Date:
4th May 2014

Essential Characteristic	Performance		Harmonised Technical Specification	
	Thickness	EN 10029		
Tolerance 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	
100	150	295		
Tensile strength (transverse)	Nominal thickness (mm)	Values Min (MPa)		
	>	<=	min	max
	5	100	470	630
	100	150	450	600
			EN10025-1 2004	
Elongation (transverse)	Nominal thickness (mm)	Values Min (% $5.65\sqrt{s_0}$)		
	>	<=		
	5	40	20	
	40	63	19	
	63	100	18	
100	150	18		
Impact strength (longitudinal)	JR	27J @ +20°C		
	J0	27J @ 0°C		
	J2	27J @ -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 (%)		
	-	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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EN 10025-1 - 2004
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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