

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. 2773)

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 2773-CPR-0141.



John Thompson
Managing Director
Tomrods Limited

Date:
4th May 2014

Essential Characteristic	Performance		Harmonised Technical Specification		
Tolerance on dimensions and shape	Thickness	EN 10029		EN10025-1 2004	
	Flatness	EN 10029			
Yield strength (transverse)	Nominal thickness (mm)		Values Min (MPa)		
	>	<=			
	-	16	355		
	16	40	345		
	40	63	325		
	63	80	325		
Tensile strength (transverse)	Nominal thickness (mm)		Values Min (MPa)		
	>	<=	min		max
	5	100	470	630	
	100	150	450	600	
	Elongation (transverse)	Nominal thickness (mm)		Values Min (% , 5.65√s ₀)	
		>	<=		
5		40	20		
40		63	19		
63		100	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		
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
Plate S355JR / 1.0045

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