

DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

No. Plate S355J0

Plate S355J0 / 1.0553 according EN 10025-2

To be used in-welded, bolted and riveted structures

Head Office: ParkerSteel Limited
Vauxhall Road, Canterbury
Kent CT1 1HD

Tel: 01227 783333

Website: www.parkersteel.co.uk

View DOP: www.parkersteel.co.uk/dop

UKCA Marking Notified Body (No. 2273)

Steel Construction Certification Scheme

4 Whitehall Court, Westminster

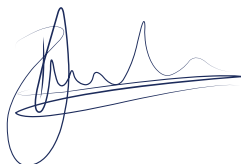
London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

System of assesment 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-0025 and Welding Certificate 2273-CPR-0025-WC.



Dylan Alexander
 Managing Director
 ParkerSteel Limited

Date:
 December 2023

Essential Characteristic	Performance		Harmonised Technical Specification		
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		
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		
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 (%)		
	-	<=40	C:	0,21(>30mm 0,22)	
			Mn:	1,50	
			P:	0,035	
			S:	0,035	
			N:	0,012	
			Cu:	0,55	
	>40	150	C:	0,22	
			Mn:	1,50	
			P:	0,035	
			S:	0,035	
			N:	0,012	
			Cu:	0,55	

EN10025-1 2004

UK CA

2273

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EN 10025-1 - 2004
 Plate S355J0 / 1.0553

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