

**DECLARATION OF PERFORMANCE**  
 (according to regulation EU No 305/2011)  
 No. Plate S355J2+N  
**Plate S355J2+N/1.0045 according EN 10025-2**  
 To be used in-welding, bolted and riveted structures

**Harbex Metal Processing Ltd**  
 Bulldozer House, New Road  
 Sheerness, Kent ME12 1AU  
 Tel: 01795 842925  
 Website: www.harbex.co.uk

**Notified Body (No. 0086)**  
 BSI Assurance UK Ltd  
 Kitemark Court, Davy Avenue  
 Knowlhill, Milton Keynes. MK5 8PP  
 Tel: 0845 080 9000

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

BSI 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 0086 CPR 772199 and profiling activities up to and including EXC3 as defined in EN1090-02

Essential Characteristic	Performance		Harmonised Technical Specification	
Tolerance on dimensions and shape	Thickness		EN10029	
	Flatness		EN10029	
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
Elongation (transverse)	Nominal thickness (mm)		Values Min (% 5.65l <sub>so</sub> )	
	>	<=		
	5	40	20	
	40	63	19	
	63	100	18	
	100	150	18	
Impact strength (longitudinal)	JR		27J @ +20°C	
	JO		27J @ - 0°C	
	J2		27J @ 20°C	
Weldability CEV	Nominal thickness (mm)		Value Max (%)	
	≥	≤		
	-	30	0.45	
	30	40	0.47	
	40	150	0.47	
Durability	Nominal thickness (mm)		Value Max (%)	
	-	150	C:	0.24
			Si:	0.55
			Mn:	1.60
			P:	0.035
			S:	0.035
			N:	0.012
		Cu:	0.55	



**FPC Certification Number:**  
**0086 CPR 772199**

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Plate S355J2+N

EN10025-1 2004

EN 10025-1 - 2004  
 Plate S355J2+N / 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 Substance: Non Performance Determined

**Harbex Metal Processing Ltd.**  
**John Hartridge - Managing Director**  
**1st November 2022**

Company Registration 6500199 Vat Reg. No 981710609