

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

No. LPE Plate S355J0

Plate S355J0 / 1.0553 according EN 10025-2

To be used in-welded, bolted and riveted structures

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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



Essential characteristic	Performance		Harmonised technical specification
Tolerances 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
Tensile strength (transverse)	Nominal thickness (mm)		Values (MPa)
	>	<=	min max
	5	100	470 630
	100	150	450 600
	Elongation (transverse)		Values min (%; 5.65√s ₀)
>	<=		
5	40	20	
40	63	19	
63	100	18	
100	150	18	
Impact strength (longitudinal)	J0		27J at - 0°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:0,20 (>30mm 0,22) Si: 0,55 Mn: 1,60 P: 0,030 S: 0,030 N: 0,012 Cu: 0,55
	>40	150	C:0,22 Si: 0,55 Mn: 1,60 P: 0,030 S: 0,030 N: 0,012 Cu: 0,55

EN10025-1 2004



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13

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EN 10025-1 – 2004

Plate S355J0 / 1.0553

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Tolerances on dimensions : Plate EN10029

Elongation :
Tensile Strength :
Yield Strength : EN10025-2
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined