

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

No. LPE Plate S355J0W

Plate S355J0W / 1.8959 according EN 10025-5

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		EN10025-1 2004
	Flatness		EN 10029		
Yield strength (transverse)	Nominal thickness (mm)		Values Min (Mpa)		
	>	<=			
	-	16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
100	150	295			
Tensile strength (transverse)	Nominal thickness (mm)		Values (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)			27J at - 0°C		
Weldability CEV	Nominal thickness (mm)		Values max (%)		
	>	<=			
	-	40	-		
40	150	-			
Durability	Nominal thickness (mm)		Values max (%)		
	-	150	C:0,16 Si: 0.50 Mn: 0.50 – 1,50 P: 0.035 S: 0.035 N: 0.009 Cr: 0.40 - 0.80 Cu: 0.25 - 0.55		



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EN 10025-1 – 2004

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Tolerances on dimensions : Plate EN10029

Elongation :
Tensile Strength :
Yield Strength : EN10025-5
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined

