



Declaration of Performance
(according Regulation EU No 305/2011)

No. Plate S355J2 017

Plate S355J2 / 1.0577 according to EN10025-2

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. 0045 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.

Elisabeth Abrahamsson

2014-10-22

Quality Manager, Special steel

Essential characteristics		Performance		Harmonised technical specification	
Tolerances on dimensions and shape (EN 10029)	Nominal thickness (t)	Lower	Upper		EN 10025-1:2004
	mm	$3 \leq t < 5$	-0.3	+0.7	
	mm	$5 \leq t < 8$	-0.4	+0.8	
	mm	$8 \leq t < 15$	-0.5	+0.9	
	mm	$15 \leq t < 25$	-0.6	+1.0	
	mm	$25 \leq t < 40$	-0.7	+1.3	
Yield strength	Nominal thickness (t)	min (Mpa)			
	mm	≤ 16	355		
	mm	$16 < t \leq 40$	345		
	mm	$40 < t \leq 63$	335		
	mm	$63 < t \leq 80$	325		
	mm	$80 < t \leq 100$	315		
Tensile strength	Nominal thickness (t)	(Mpa)			
	mm	$3 \leq t \leq 100$	470 - 630		
	mm	$100 < t \leq 150$	450 - 600		
Elongation	Nominal thickness (t)	(%)			
	mm	$3 \leq t \leq 40$	20		
	mm	$40 < t \leq 63$	19		
	mm	$63 < t \leq 100$	18		
Impact strength	mm	$100 < t \leq 150$	18		
	min(J/C)		27/-20		
Weldability CEV	Nominal thickness (t)	max (%)			
	mm	≤ 30	0.45		
	mm	$30 < t \leq 150$	0.47		
Durability					
C	max (%)	0.20 ($t > 40$ C=0.22)			
Si	max (%)	0.55			
Mn	max (%)	1.60			
P	max (%)	0.025			
S	max (%)	0.025			
Cu	max (%)	0.55			



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