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

No. Strip S355J2 004

Strip/CTL S355J2 / 1.0577 according to EN 10025-2

To be used in-welded, bolted and riveted structures

SSAB
P.O Box 70
101 20 Stockholm
SWEDEN
T: +46 8 45 45 700
Email: info@ssab.com
Webbsite: ssab.com

TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31
D-22525 Hamburg
Germany
T: +49 40 8557 2368

System of assessment and verification of constancy of perfomance 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 certifficate of conformity of the factory production control.

Jessika Schelin

2014-11-01
Quality Manager Sales, SSAB Europe

Essential characteristics			Performance			Harmonised technical specification
Tolerances on dimensions and shape (EN 10051)			Nominal width (w)			EN 10025-1:2004
	Nominal thickness (t)		w≤1200	1200<w≤1500	1500<w≤1600	
	mm	t ≤ 2.00	± 0.20	± 0.22	± 0.24	
	mm	2.00 <t≤ 2.50	± 0.21	± 0.24	± 0.26	
	mm	2.5 0<t≤ 3.00	± 0.23	± 0.25	± 0.28	
	mm	3.00 <t≤ 4.00	± 0.25	± 0.28	± 0.30	
	mm	4.00 <t≤ 5.00	± 0.28	± 0.30	± 0.32	
	mm	5.00 <t≤ 6.00	± 0.30	± 0.32	± 0.33	
	mm	6.00 <t≤ 8.00	± 0.33	± 0.35	± 0.36	
	mm	8.00<t≤10.00	± 0.37	± 0.38	± 0.39	
	mm	10.00<t≤12.50	± 0.40	± 0.41	± 0.43	
	mm	12.50<t≤15.00	± 0.43	± 0.44	± 0.46	
	mm	15.00<t≤16.00	± 0.46	± 0.48	± 0.52	
Yield strength	min (MPa)		355			
Tensile strength	Nominal thickness (t)		(Mpa)			
	mm	< 3	510 - 680			
	mm	3 ≤ t ≤ 16	470 - 630			
Elongation	Nominal thickness (t)		min (%)			
	mm	1.8 ≤ t ≤ 2	14			
	mm	2 < t ≤ 2.5	15			
	mm	2.5 < t < 3	16			
	mm	3 ≤ t ≤ 16	20			
Impact strength	min(J/°C)		27/-20			
Weldability CEV	max (%)		0.45			
Durability						
C	max (%)		0.20			
Si	max (%)		0.55			
Mn	max (%)		1.60			
P	max (%)		0.025			
S	max (%)		0.025			
Cu	max (%)		0.55			

CE

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