



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

No. Strip S355J0 013

Strip/CTL S355J0 / 1.0553 according to EN 10025-2
Produced by SSAB manufacturing plant Borlänge
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.

Charlotta Jansson
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2017-09-01
Quality Manager

Essential characteristics			Performance			Harmonised technical specification
Tolerances on dimensions and shape (EN 10051)	Nominal thickness (t)		Nominal width (w)			EN 10025-1:2004
			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)		27/0			
Weldability CEV	max (%)		0.45			
Durability						
	C	max (%)	0.20			
	Si	max (%)	0.55			
	Mn	max (%)	1.60			
	P	max (%)	0.030			
	S	max (%)	0.030			
	Cu	max (%)	0.55			



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0045-CPR-2028
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