



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

No. Strip S355JR 006

Strip/CTL S355JR / 1.0045 according to EN 10025-2

Produced by SSAB manufacturing plant Borlänge

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 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

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)		27/20			
Weldability CEV	max (%)		0.45			
Durability	C	max (%)	0.24			
	Si	max (%)	0.55			
	Mn	max (%)	1.60			
	P	max (%)	0.035			
	S	max (%)	0.035			
	Cu	max (%)	0.55			



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