



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

No. Strip S275JR 003

Strip/CTL S275JR / 1.0044 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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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	± 0.17	± 0.19	± 0.21	
	mm	2.00 <t≤ 2.50	± 0.18	± 0.21	± 0.23	
	mm	2.5 0<t≤ 3.00	± 0.20	± 0.22	± 0.24	
	mm	3.00 <t≤ 4.00	± 0.22	± 0.24	± 0.26	
	mm	4.00 <t≤ 5.00	± 0.24	± 0.26	± 0.28	
	mm	5.00 <t≤ 6.00	± 0.26	± 0.28	± 0.29	
	mm	6.00 <t≤ 8.00	± 0.29	± 0.30	± 0.31	
	mm	8.00<t≤10.00	± 0.32	± 0.33	± 0.34	
	mm	10.00<t≤12.50	± 0.35	± 0.36	± 0.37	
	mm	12.50<t≤15.00	± 0.37	± 0.38	± 0.40	
	mm	15.00<t≤16.00	± 0.40	± 0.42	± 0.45	
Yield strength	min (MPa)		275			
Tensile strength	Nominal thickness (t)		(Mpa)			
	mm	< 3	430 - 580			
	mm	3 ≤ t ≤ 16	410 - 560			
Elongation	Nominal thickness (t)		min (%)			
	mm	1.8 ≤ t ≤ 2	15			
	mm	2 < t ≤ 2.5	16			
	mm	2.5 < t < 3	17			
	mm	3 ≤ t ≤ 16	21			
Impact strength	min (J/°C)		27/20			
Weldability CEV	max (%)		0.40			
Durability						
	C	max (%)	0.21			
	Si	max (%)	NDP			
	Mn	max (%)	1.50			
	P	max (%)	0.035			
	S	max (%)	0.035			
	Cu	max (%)	0.55			



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