

Déclaration de performance

(according to regulation EU N°305/2011)

1) strip **S235J2** according EN 10025-2:2004

to be used in metallic structures

2)

NLMK La Louvière S.A.
2 rue des rivaux
B7100 La Louvière Belgique
Tel : +32(0)64 27.27.11 fax: +32(0) 27.28.48

CE marking notify body
OCAB/OCBS 1148
Boulevard de la plaine, 5 B 1050 Bruxelles
website: WWW,ocab-ocbs.com

system of assessment and verification of constancy of performance of the product
according annex V:

Notified factory production control certification body N° 1148 performed :
-the initial inspection of the manufacturing plant and of factory production control
-the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control

Essential characteristic	performance	Harmonised technical specification
tolerances on dimensions and shape	dimension EN 10051 flatness EN 10051	EN 10025-2 :2004
Yield strength	Nominal thickness (mm)	values Min (Mpa)
	>= 1,5 <= 12,7	235
Tensile strength	Nominal thickness (mm)	values (Mpa)
	>= 1,5 <= 12,7	Min Max 360 510
elongation	Nominal thickness (mm)	values Min (Mpa)
	> 1,5 <= 2	min (%) sample 17 A80
	2 2,5	18 A80
	2,5 2,99	19 A80
Impact strength	Nominal thickness (mm)	values Joules
	1,5 - 12,7 mm	27 J at - 20°c
Weldability CEV	Nominal thickness (mm)	values %
		max 0,35
Durability	Nominal thickness (mm)	values max %
	1,5 - 12,7 mm	C 0,17 Mn 1,4 P 0,025 S 0,025 Cu 0,55

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2.
signed for and on behalf the manufacturer by :

A Canevet
Quality & metallurgy dpt

12th May 2022



La Louvière

Déclaration de performance

(according to regulation EU N°305/2011)

1) strip

S235J0

according EN 10025-2:2019

to be used in metallic structures

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Essential characteristic	performance	Harmonised technical specification
tolerances on dimensions and shape	dimension	EN 10051
	flatness	EN 10051
Yield strength	Nominal thickness (mm)	values Min (Mpa)
	>= <=	235
Tensile strength	Nominal thickness (mm)	values (Mpa)
	>= <=	Min Max 360 510
elongation	Nominal thickness (mm)	values Min (Mpa)
	> <=	min (%) sample 17 A80 18 A80 19 A80 24 A50
Impact strength	Nominal thickness (mm)	values Joules
	1,5 - 12,7mm	27 J at 0°C
Weldability CEV	Nominal thickness (mm)	values %
		max 0,35
Durability	Nominal thickness (mm)	values max %
	1,5 - 12,7 mm	C 0,17 Mn 1,4 P 0,03 S 0,03 N 0,012 Cu 0,55

EN 10025-2 :2019

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Quality & metallurgy dpt

12th May 2022



La Louvière

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according EN 10025-2:2019

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Essential characteristic	performance		Harmonised technical specification	
tolerances on dimensions and shape	dimension		EN 10051	
	flatness		EN 10051	
Yield strength	Nominal thickness (mm)		values	
			Min (Mpa)	
	>=	<=		
	1,5	12,7	235	
Tensile strength	Nominal thickness (mm)		values	
			(Mpa)	
	>=	<=	Min	Max
	1,5	12,7	360	510
elongation	Nominal thickness (mm)		values	
			Min (Mpa)	
	>	<=	min (%)	sample
	1,5	2	17	A80
	2	2,5	18	A80
	2,5	2,99	19	A80
	3	12,7	24	A50
Impact strength	Nominal thickness (mm)		values	
			Joules	
	1,5 - 12,7 mm		27 J at + 20°c	
Weldability CEV	Nominal thickness (mm)		values	
			%	
			max 0,35	
Durability	Nominal thickness (mm)		values	
			max %	
	1,5 - 12,7 mm		C	0,17
			Mn	1,4
			P	0,035
			S	0,035
			N	0,012
		Cu	0,55	

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12th May 2022