

Declaration of performance

(according to regulation EU N°305/2011)

1) strip

S355K2

according EN 10025-2:2019

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
website: www.eu.nlmk.com

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 :2019
Yield strength	Nominal thickness (mm)	values Min (Mpa)
	>= <=	
	1,5 12,7	355
Tensile strength	Nominal thickness (mm)	values (Mpa)
	>= <=	Min Max
	1,5 2,99	510 680
	3 12,7	470 630
elongation	Nominal thickness (mm)	values Min (Mpa)
	> <=	min (%) sample
	1,5 2	14 A80
	2 2,5	15 A80
	2,5 2,99	16 A80
	3 12,7	20 A50
Impact strength	Nominal thickness (mm)	values Joules
	1,5 - 12,7 mm	40 J at - 20°C
Weldability CEV	Nominal thickness (mm)	values %
		max 0,45
Durability	Nominal thickness (mm)	values max %
	1,5 - 12,7 mm	C 0,2 Si 0,55 Mn 1,6 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



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(according to regulation EU N°305/2011)

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S355J2

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Essential characteristic	performance	Harmonised technical specification
tolerances on dimensions and shape	dimension EN 10051 flatness EN 10051	EN 10025-2 :2019
Yield strength	Nominal thickness (mm)	values Min (Mpa)
	>= 1,5 <= 12,7	355
Tensile strength	Nominal thickness (mm)	values (Mpa)
	>= 1,5 <= 2,99 <= 3 <= 12,7	Min Max 510 680 470 630
elongation	Nominal thickness (mm)	values Min (Mpa)
	> 1,5 <= 2 <= 2,5 <= 2,99 <= 3 <= 12,7	min (%) sample 14 A80 15 A80 16 A80 20 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 0,45
Durability	Nominal thickness (mm)	values max %
	1,5 - 12,7 mm	C 0,2 Si 0,55 Mn 1,6 P 0,025 S 0,025 Cu 0,55

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Quality & metallurgy dpt

12th May 2022



Declaration of performance

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1) strip **S355J0** according EN 10025-2:2019

to be used in metallic structures

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

Notified factory production control certification body N° 1148 performed :

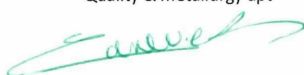
- the initial inspection of the manufacturing plant and of factory production control
- the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control

Essential characteristic	performance	Harmonised technical specification
tolerances on dimensions and shape	dimension EN 10051 flatness EN 10051	EN 10025-2 :2019
Yield strength	Nominal thickness (mm)	values Min (Mpa)
	>= 1,5 <= 12,7	355
Tensile strength	Nominal thickness (mm)	values (Mpa)
	>= 1,5 <= 2,99	Min 510 Max 680
	3 <= 12,7	470 630
elongation	Nominal thickness (mm)	values Min (Mpa)
	> 1,5 <= 2	min (%) sample 14 A80
	2 <= 2,5	15 A80
	2,5 <= 2,99	16 A80
Impact strength	Nominal thickness (mm)	values Joules
	1,5 - 12,7 mm	27 J at 0°C
Weldability CEV	Nominal thickness (mm)	values %
		max 0,45
Durability	Nominal thickness (mm)	values max %
	1,5 - 12,7 mm	C 0,2
		Si 0,55
		Mn 1,6
		P 0,03
		S 0,03
		N 0,012
		Cu 0,55

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A Canvet
Quality & metallurgy dpt

12th May 2022



Declaration of performance

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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	355
Tensile strength	Nominal thickness (mm)	values (Mpa)	
	>= 1,5	<= 2,99	Min 510 Max 680
	3	12,7	470 630
elongation	Nominal thickness (mm)	values Min (Mpa)	
	> 1,5	<= 2	min (%) sample
	2	2,5	14 A80
	2,5	2,99	15 A80
3	12,7	16 A80	
		20 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 0,45	
Durability	Nominal thickness (mm)	values max %	
	1,5 - 12,7 mm	C	0,24
		Si	0,55
		Mn	1,6
		P	0,035
		S	0,035
		N	0,012
		Cu	0,55

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12th May 2022

