

1. Unique identification code of the product-type :

Plate S420NL / 1.8912

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4) :

Plates S420NL / 1.8912 according to EN 10025-3

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer :

Welded, bolted and riveted structures

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5) :

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Site de Châteauneuf
118 Route des Etaings
42800 Châteauneuf
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Tél : +33 477752007**

e-mail : info.dopil@arcelormittal.com

Website : <https://industeel.arcelormittal.com/services-support/documentstools/quality-certifications/>

5. Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) :

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V :

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard :

Notified factory production control certification body, TÜV SUD Industrie Service GmbH n° 0036 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 n° 0036-CPR-M-093-2016.

8. Declared performance

Essential characteristic		Performances		Harmonised technical specification	
Tolerances on dimensions / shape	Epaisseur		EN 10029 Class A		EN 10025-3 : 2019
	Planéité		EN 10029 Class N		
Yield strength	Nominal thickness (mm)		Values		
	>	≤	min (MPa)		
	100	150	340		
	150	200	330		
	200	250	320		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	min (MPa)	max (MPa)	
	100	150	500	650	
	150	200	500	650	
	200	250	500	650	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
	100	150	18		
	150	200	18		
	200	250	18		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	T°C	min Kv (J) longitudinal direction	Max Kv (J) transversal direction
	100	250	-50	16	27
			-40	20	31
			-30	23	40
			-20	27	47
			-10	30	51
0			34	55	
20	40	63			
Chemical composition	Nominal thickness (mm)		Values		
	>	≤	Element	min (%)	max (%)
	100	250	C		0.20
			Si		0.60
			Mn	1.00	1.70
			P		0.025
			S		0.020
			Nb		0.05
			V		0.20
			Al _{total} *	0.02	
			Ti		0.05
			Cr		0.30
			Ni		0.80
Mo				0.10	
Cu		0.55			
N		0.025			
Weldnability	Nominal thickness (mm)		Values		
	>	≤	CEV (%max)		
	100	250	0.52		

* When other nitrogen binding elements are used, the minimum Al value does not apply.

9. The performance of the product identified in points 1 & 2 is in conformity with the declared performance point 8.

This declaration Of Performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by :

Ing. Aurélien CHAIZE

Metallurgical Dpt

Châteauneuf, 2020-09-23

