

1. Unique identification code of the product-type :

**Plate S355NL / 1.0546**

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

**Plates S355NL / 1.0546 according to EN 10025-3**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised 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) :

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

**e-mail : [info.dopil@arcelormittal.com](mailto: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 harmonised 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
Tolerance on dimensions /shape	Thickness		EN 10029 Class A		
	Flatness		EN 10029 Class N		
Yield strength	Nominal thickness (mm)		Imposition		
	>	≤	min (MPa)		
	100	150	295		
	150	200	285		
	200	250	275		
Tensile strength	Nominal thickness (mm)		Imposition		
	>	≤	min (MPa)	max (MPa)	
	100	150	450	600	
	150	200	450	600	
	200	250	450	600	
Elongation	Nominal thickness (mm)		Imposition		
	>	≤	min (%)		
	100	150	21		
	150	200	21		
	200	250	21		
Impact strength	Nominal thickness (mm)		Imposition		
	>	≤	T°C	Min Kv (J) transversal direction	Min Kv (J) longitudinal 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)		Imposition		
	>	≤	Element	min (%)	max (%)
	100	250	C		0.18
			Si		0.50
			Mn	0.90	1.650
			P		0.025
			S		0.020
			Nb		0.05
			V		0.12
			Al <sub>total</sub> *	0.02	
			Ti		0.05
			Cr		0.30
			Ni		0.50
			Mo		0.10
Cu				0.55	
N		0.015			
Weldability	Nominal thickness (mm)		Imposition		
	>	≤	CEV (%max)		
	100	250	0.45		

EN 10025-3 : 2019

\* 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

