

1. Unique identification code of the product-type :

Plate S355N / 1.0545

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

Plates S355N / 1.0545 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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118 Route des Etaings
42800 Châteauneuf
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Link : [Certifications & Quality - Industeel \(arcelormittal.com\)](#)

5. Name and contact address of the authorized 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 SÜD 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 93.2016.003

8. Declared performances

Essential characteristic			Performances		Harmonized 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	295			
	150	200	285			
	200	250	275			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	min (MPa)	max (MPa)		
	100	150	450	600		
	150	200	450	600		
	200	250	450	600		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
	100	150	21			
	150	200	21			
	200	250	21			
Impact strength	Nominal thickness (mm)		Values			
	>	≤	T (°C)	min Kv (J) longitudinal direction		max Kv (J) transversal direction
			-20	40		20
			-10	43		24
			0	47	27	
			20	55	31	
Chemical composition	Nominal thickness (mm)		Values			
	>	≤	Element	min (%)	max (%)	
	100	250	C		0.20	
			Si		0.50	
			Mn	0.90	1.65	
			P		0.030	
			S		0.025	
			Nb		0.05	
			V		0.12	
			Al _{total} *	0.02		
			Ti		0.05	
			Cr		0.30	
			Ni		0.50	
			Mo		0.10	
			Cu		0.55	
N				0.015		
Weldability	Nominal thickness (mm)		Values			
	>	≤	CEV (%max)			
	100	250	0.45			

* If sufficient other N-binding elements are present the minimum total Al content 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

Metallurgy Manager

Châteauneuf, 2025-11-04

