

According to the Construction Products (Amendment etc.) (EU Exit) Regulations 2019/2020

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 designated 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
France
Tél : +33 477752007**

e-mail : info.dopil@arcelormittal.com

Link : <https://industeel.arcelormittal.com/downloads/certifications-quality/>

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 designated standard :

Approved factory production control certification body, TUV SUD BABTUNLIMITED, Nr 0168 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 nr nr 0168 - CPR – M - 008 – 2023 rev1.

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8. Declared performances

Essential characteristic		Performances			Designated technical specification
Tolerances on dimensions / shape	Epaisseur		EN 10029 Class A		
	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		

EN 10025-3 : 2019

* 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.



DECLARATION OF PERFORMANCE (UK)

DOPIL_S355N_1.0545_UK
English version
Revision 00

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Signed for and on behalf of the manufacturer by :

Aurélien CHAIZE

Metallurgical Eng.

Châteauneuf, 2023-03-06

A handwritten signature in black ink, consisting of a large, stylized loop followed by a horizontal stroke.