

DECLARATION OF PERFORMANCES
N°IB032|CPR2006-09-25| English version - Rev 01

1. Unique identification code of the product-type :

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 according to EN 10025-3

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

To be used cut to length plates in metal structures or in composite metal and concrete structures

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

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5. Where applicable, 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:

EN 10025-3:2004

Notified factory production control certification body No.(See list below) 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

Charleroi

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8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable

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9. Declared performance

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape	Thickness, length and width		EN 10029		EN 10025-3:2004
	Flatness on cut to length plate		EN 10029		
Yield Strength	Nominal thickness (mm)		Values (Mpa)		
	>	≤	ReH		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
	100	150	295		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)		
	>	≤	Rm min	Rm max	
		100	470	630	
	100	200	450	600	
	200	250	450	600	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)	Samples	
		16	22	5,65√So	
	16	40	22	5,65√So	
	40	63	22	5,65√So	
	63	80	21	5,65√So	
	80	200	21	5,65√So	
Impact Test	Nominal thickness (mm)		Values trans.		
	>	≤	KV mini (J)	T°	
	5,99	8,49	14	0°C	
	8,49	10,99	21	0°C	
CEV	Nominal thickness (mm)		Values		
	>	≤	%		
		63	0,43		
	63	100	0,45		
Durability	Nominal thickness (mm)		Values		
	>	≤	%		
		250	C ≤ 0,20 Si ≤ 0,50 0,90 ≤ Mn ≤ 1,65 P ≤ 0,035 S ≤ 0,025 Al ≥ 0,020 N ≤ 0,015	Cr ≤ 0,30 Cu ≤ 0,55 Ni ≤ 0,50 Mo ≤ 0,10 Nb ≤ 0,05 V ≤ 0,12 Ti ≤ 0,05	

** subject to agreement between manufacturer and his customer

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

This declaration of performance is issued under the responsibility of the manufacturer identified in point 4

Signed for and on behalf of the manufacturer by:

Matthieu Sinnaeve
Head of Method Department- Metallurgy
Charleroi, 31st may 2016

Karim Bahri
Head of Quality Management System
Charleroi, 31st may 2016


