

## DECLARATION OF PERFORMANCES

N°IB023|CPR2006-09-25| English version - Rev 01

1. Unique identification code of the product-type :

**1.8986**

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

**Plates S550QL1 according to EN 10025-6**

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 10025-6:2004**

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

<b>Charleroi</b>
<b>1148</b>

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 10025-6:2004
	Flatness on cut to length plate		EN 10029		
Yield Strength	Nominal thickness (mm)		Values (Mpa)		
	>	≤	ReH		
	2,99	50	550		
	50	100	530		
	100	150	490		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)		
	>	≤	Rm min	Rm max	
	2,99	50	640	820	
	50	100	640	820	
	100	150	590	770	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)	Samples	
	2,99	50	16	5,65√So	
	50	100	16	5,65√So	
	100	150	16	5,65√So	
Impact Test	Nominal thickness (mm)		Values trans.		
	>	≤	KV mini (J)	T°	
	5,99	8,49	20	0°C	
			18	-20°C	
			15	-40°C	
			14	-60°C	
	8,49	10,99	30	0°C	
			27	-20°C	
			23	-40°C	
	10,99	150	21	-60°C	
			40	0°C	
35			-20°C		
30			-40°C		
CEV	Nominal thickness (mm)		Values		
	>	≤	%		
	2,99	50	0,65		
	50	100	0,77		
	100	150	0,83		
Durability	Nominal thickness (mm)		Values		
	>	≤	%		
	2,99	150	C ≤ 0,20 Si ≤ 0,80 Mn ≤ 1,70 P ≤ 0,020 S ≤ 0,010 N ≤ 0,015 B ≤ 0,0050 Al ≥ 0,018 Als ≥ 0,015	Cr ≤ 1,50 Cu ≤ 0,50 Mo ≤ 0,70 Nb ≤ 0,06 Ni ≤ 2,0 Ti ≤ 0,05 V ≤ 0,12 Zr ≤ 0,15	

\*\* 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, 31<sup>st</sup> may 2016

Karim Bahri  
 Head of Quality Management System  
 Charleroi, 31<sup>st</sup> may 2016


