## TATA STEEL

## **Declaration of Performance**

(according to Regulation EU No 305/2011)

No: TSNL S235J2 Unique ID code

Product type Strip S235J2/ 1.0117

according EN 10025-1: 2004 standard

Intended To be used in-welded, bolted and riveted structures

Tata Steel IJmuiden B.V Manufacture Wenckebachstraat 1

1951 JZ Velsen-Noord The Netherlands Tel: +31 251 49111

Website: www.tatasteelnederland.com

Not applicable

System of assessment and verification of constancy System of

performance of the product System 2+

Notified Body LRQA Nederland B.V No. 0343 performed the initial inspection NOBO of the manufacturing plant and of factory production control, the continuous surveillance assessment and evaluation of factory production control and

issued the certificate of conformity of the factory production control.

The performance of the product identified above is in conformity with

the set of declared performances. This declaration is issued in accordance with Regulation EU No 305/2011 under the sole responsability

Representative

Declaration

AVCP

of Tata Steel IJmuiden B.V.

Signed for on behalf of the manufacturer by:

Carel Kleemans Date: Dec 2024

Technical Director, Strip Products Tata Steel IJmuiden BV.

Declared Performance

characteristic         Performance         technical specification           Tolerances on dimension and shape         Flatness         EN 10051           Yield strength (traverse)         Nominal thickness         Values (mm)           1,4         16         235           16         25         225           Tensile strength (transverse)         Nominal thickness (mm)         Values (Mpa)           ≥         <=         min max (Mpa)           1,4         25         360         510           Elongation (transverse)         Nominal thickness (mm)         Values min (%8 80 mm)                     1,4         1,5         16           1,5         2         17         2           2,5         3         19         Nominal thickness (mm)         Values max (%,5.65√so)                     >3         <=25         24                               Nominal thickness (mm)         Values   >3         <=25         24   >4         <=   <th>Essential</th> <th></th> <th></th> <th></th> <th></th> <th>Harmonised</th>	Essential					Harmonised	
Tolerances on dimension and shape		Performance				technical	
Signature   Flatness   Flatness   Flatness   Flatness   Flatness   Values   Values   Min (Mpa)						specification	
Shape   Flatness   EN 10051   Yalues   Values   Win (Mpa)   Shape   Flatness   Values   Win (Mpa)   Shape   Shape	Tolerances on	Dimer	Dimensions		EN 10051		
Yield strength (traverse)         Nominal thickness (mm)         Values Min (Mpa)           >         =           1,4         16         235           16         25         225           Tensile strength (transverse)         Nominal thickness (mm)         Values (Mpa)           >         =         min max (Mpa)           1,4         25         360         510           Elongation (transverse)         Nominal thickness (mm)         Values min (% 80 mm)           >         =         1,4         1,5         16           1,5         2         17         17         18           2,5         3         19         Nominal thickness (mm)         Values (mm)         EN10025-1 2004           Impact Strength (longitunidal)         J2         27 J at - 20°C         27 J at - 20°C         Values           >                   >                   27 J at - 20°C         C0,35           Durability         Nominal thickness (mm)         Values						_	
(traverse)         (mm)         Min (Mpa)           >         <=							
S   C   C   C   C   C   C   C   C   C							
1,4	(traverse)			Min (Mpa)			
Tensile strength (transverse)							
Tensile strength (transverse)		,					
(transverse)         (mm)         (Mpa)           >         <=			-			_	
Nominal thickness							
1,4   25   360   510	(transverse)						
1,4   25   360   510		>	<=	min	max		
Elongation (transverse)		1.4	25				
(transverse)         (mm)         min (% 80 mm)           >         <=	Elongation	,					
Nominal thickness (mm)				min (% 80 mm)			
1,5   2   17   18   18   2,5   18   19	,	>	<=	,	•		
2   2,5   18   19		1,4	1,5	16			
2,5   3   19     Nominal thickness (mm)   Max (%,5.65√so)		1,5	2	18		EN10025-1 2004	
Nominal thickness (mm)							
(mm)     max (%,5.65√so)       >3     <=25				-			
Sample   Strength (longitunidal)   J2   27J at - 20°C			Nominal thickness				
Impact Strength (longitunidal)		(mm)		max (%,5.65√so)			
Impact Strength (longitunidal)		. 0		21		4	
(longitunidal)         J2         Z13 at 20 C           Weldability CEV         Nominal thickness (mm)         Values           >         =           1,4         25         0,35           Durability         Nominal thickness (mm)         Values           > 1,4         <=25		>3 <=25		24			
Nominal thickness (mm)		J2		27J at	- 20°C		
> <= 1,4 25 0,35  Durability Nominal thickness (mm) Values > 1,4 <=25 C: 0,17 Mn: 1,40 P: 0,025 S: 0,025 N: -		Naminal thickness (mm)		Values			
1,4   25   0,35	Weldability CEV				ues	-	
Durability   Nominal thickness (mm)   Values				0.	35		
> 1,4 <=25 C: 0,17 Mn: 1,40 P: 0,025 S: 0,025 N: -	Durahility					-	
Mn: 1,40 P: 0,025 S: 0,025 N: -	Durability			C: 0,17 Mn: 1,40 P: 0,025 S: 0,025 N: -			
P: 0,025 S: 0,025 N: -		. 1,-1	- 20				
S: 0,025 N: -							
N: -							
Cu: 0,55							





Tata Steel IJmuiden B.V. WenckeBachstraat 1 1951JZ Velsen-Noord The Netherlands 24

TSNL strip S235J2 EN 10025-1: 2004 Strip S235JC /1.0117

To be used in-welded, bolted and riveted structures

Tolerances on dimensions: Strip EN 10051

Elongation:

Tensile Strength:

Yield Strength: Weldability:

Durability:

Dangerous Substances: No performance Determined

EN10025-2