

Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code TSNT 275J0H [Grade S275J0H / 1.0149] Table 1 - Essential characteristics and declared performances Harmonised Harmonised standard EN 10219-1:2006 - Cold formed welded structural Essential characteristic Performance technical hollow sections of non-allov and fine grain steels specification Part 1: Technical delivery conditions (issued on the Nominal thickness Values Official Journal of the European Union on min (MPa) (mm) 01/02/2007) Yield strength ≤ 16 275 > 16 ≤ 40 265 Intended use To be used in metal structures or in composite Values metal and concrete structures. This product is Nominal thickness (MPa) supplied with a non-specific inspection document (mm) Tensile strength min max 2.2 (according to EN 10204) that does not include < 3 430 580 the full length non-destructive testing of the weld ≥ 3 ≤ 40 410 560 (as defined in table 2 of EN 10219-1). This product Values Nominal thickness is only suitable for intended uses for which the nonmin (%) (mm) specific inspection 2.2 is sufficient. long. Elongation 20 ≤ 40 (18 where Table A.3 Manufacturer TATA STEEL NEDERLAND TUBES BV Note c applies) Registered in Netherlands No. 20022812 Impact Value Registered office: Souvereinstraat 35, Nom Grade min. average (J) Oosterhout, 4903 RH, Netherlands hk. (mm Impact strength at Test Temp (°C) Website : www.tatasteeleurope.com EN 10219-1:2006 (longitudinal) JOH ≤ 40 27J at 0°C (a) System of assessment and verification of constancy System of AVCP of performance of the product Nominal thickness Values Weldability System 2+ (FPC Certificate No: max (%) (mm) (CEV) 2814/CPR/RQA2007001/A) ≤ 40 0.40 Composition (cast) Nominal thickness Notified body Notified body No. 0343 (max. unless LRQA Nederland B.V. (mm) otherwise shown) George Hintzenweg 77 0.20 C: 3068 AX Rotterdam Si: Mn: 1.50 Netherlands P: 0.035 Durability ≤ 40 S: 0.030 N٠ FF deoxidation (b) Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating Round, square and Folerances on dimensions In accordance with rectangular hollow and shape EN 10219-2:2006 sections Notes: DocuSigned by: (a) Value for 10 x 10mm specimen; 10 x 7.5mm specimen = 19J; 10 x 5mm specimen = 13.5 (b) FF - Fully killed steel containing nitrogen binding elements a_

BBAC84320D6F4EC... Jacob Gerkema

Date 01/04/2024

CE 0343 TATA STEEL NEDERLAND TUBES BV Registered in Netherlands No. 20022812 Registered office: Souvereinstraat 35. Oosterhout. 4903 RH. Netherlands 24 TSNT 275J0H [Grade S275J0H / 1.0149] EN 10219-1:2006 To be used in metal structures or in composite metal and concrete structures. This product is supplied with a nonspecific inspection document 2.2 (according to EN 10204) that does not include the full length non-destructive testing of the weld (as defined in table 2 of EN 10219-1). This product is only suitable for intended uses for which the nonspecific inspection 2.2 is sufficient. Performance declared for the following essential characteristics: **Yield strength:** 275 MPa (\leq 16 mm) **Tensile strength:** $410 - 560 (\ge 3 \text{ mm})$ **Elongation:** 20% (18% where Table A.3.c applies) Impact strength: 27J at 0°C Weldability (CEV): 0.40% Durability: See Declaration of Performance Tolerances on dimensions and shape: In accordance with EN 10219-2:2006 Dangerous Substances: No Performance Determined (NPD)



Managing Director Tata Steel Nederland Tubes B.V. Souvereinstraat 35, Oosterhout, 4903 RH Netherlands



Declaration of Performance

(according to The Construction Products (Amendment etc.) (EU Exit) Regulations SI 2020-1359)

Unique ID code	TSNT 275J0H [Grade S275J0H / 1.0149]	Table 1 –	Essential	l characteris	sti
		Essential characteristic	Perforr		
Designated standard	EN 10219-1:2006 - Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions (issued on the Official Journal of the European Union on 01/02/2007)	Yield strength	Nominal thickness (mm) ≤ 16		
Intended use	To be used in metal structures or in composite metal and concrete structures. This product is supplied with a non-specific inspection document	Tensile strength	Nominal (m	thickness nm)	
	2.2 (according to EN 10204) that does not include the full length non-destructive testing of the weld (as defined in table 2 of EN 10219-1). This product is only suitable for intended uses for which the non-	Elongation			
	specific inspection 2.2 is sufficient.		rength $ \begin{array}{c c} (mm) \\ \leq 16 \\ > 16 \\ \leq 40 \\ \hline \\ strength \\ ation \\ trength \\ dinal) \\ \hline \\ y) \\ \\ bility \\ \hline \\ bility \\ bility \\ \hline \\ bility \\ bility \\ \hline \\ bility \\ $		
Manufacturer	TATA STEEL NEDERLAND TUBES BV Registered in Netherlands No. 20022812 Registered office: Souvereinstraat 35,	Impact strength	Grade		
	Oosterhout, 4903 RH, Netherlands Website : <u>www.tatasteeleurope.com</u>	(longitudinal)	J0H ≤ 4	≤ 40	
System of AVCP	System of assessment and verification of constancy of performance of the product System 2+ (FPC Certificate No: 0038/CPR/RQA20070001/A)	Weldability (CEV)	(mm) ≤ 16 $> 16 \leq 40$ Nominal thickness (mm) < 3 $\geq 3 \leq 40$ Nominal thickness (mm) ≤ 40 Grade Nom. Thk. (mm) $J0H \leq 40$ Nominal thickness (mm) ≤ 40	(mm)	
	Certificate No. 0030/CFN/NQA20070001/A)		≤	40	L
Approved body	Approved body No. 0038 LRQA Verification Ltd.				Perform kness ≤ 40 kness ≤ 40 kness (n) ≤ 10 (n) ≤ 40 kness (n) ≤ 10 (n) (n) (n) (n) (n) (n) (n) </td
	1 Trinity Park, Bickenhill Lane Solihull, West Midlands Birmingham B37 7ES United Kingdom	Durability	≤ 40		N F S N
			Durability is also depe of protection subsequ type and thickness of		ue
		Tolerances on dimensions and shape	rectangu	lar hollow	
DocuSigned by:		Notes: (a) Value for 10 x 10mm sp	ecimen; 1	10 x 7.5mm	s

Date 01/04/2024

Value for 10 x 10mm specimen; 10 x 7.5mm specimen = 19J; 10 x 5mm specimen = 13.5J (b) FF - Fully killed steel containing nitrogen binding elements

(-	-
	a_	
	-BBAC84320D6	SF4

4EC..

Jacob Gerkema Managing Director Tata Steel Nederland Tubes B.V. Souvereinstraat 35, Oosterhout, 4903 RH Netherlands

Table 1 –	Table 1 – Essential characteristics and declared performances							
Essential characteristic			Harmonised technical specification					
Yield strength	Nominal thickness (mm) ≤ 16		Values min (MPa) 275					
	> 16 ≤ 40 Nominal thickness (mm)		Va (M	65 lues Pa)				
Tensile strength	< 23	< 3 430 580						
Elongation		thickness nm)	Values min (%) long.					
Liongation	≤ 40		20 (18 where Table A.3 Note c applies)					
Impact strength	Grade	Nom. Thk. (mm)	at rest remp (-C)					
(longitudinal)	JOH	≤ 40	27J at 0⁰C <i>(a)</i>		EN 10219-1:2006			
Weldability (CEV)		Values max (%)						
	Nominal	40 thickness nm)	0.40 Composition (cast) (max. unless otherwise shown)					
Durability	≤ 40		C: 0.20 Si: - Mn: 1.50 P: 0.035 S: 0.030 N: -					
			FF deoxidation (b)					
	Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating							
Tolerances on dimensions and shape	Round, square and rectangular hollow sections			lance with I9-2:2006				
Notes: (a) Value for 10 x 10mm sp	ecimen: 1	0 x 7.5mm	specimen :	= 19J: 10 x 5	mm specimen = 13.5.			

- . . . -

UK 0038 TATA STEEL NEDERLAND TUBES BV Registered in Netherlands No. 20022812 Registered office: Souvereinstraat 35, Oosterhout, 4903 RH, Netherlands 24 TSNT 275J0H [Grade S275J0H / 1.0149] EN 10219-1:2006 To be used in metal structures or in composite metal and concrete structures. This product is supplied with a nonspecific inspection document 2.2 (according to EN 10204) that does not include the full length non-destructive testing of the weld (as defined in table 2 of EN 10219-1). This product is only suitable for intended uses for which the nonspecific inspection 2.2 is sufficient. Performance declared for the following essential characteristics: Yield strength: 275 MPa (> 16 mm) **Tensile strength:** $410 - 560 \text{ MPa} (\geq 3 \text{ mm})$ Elongation: 20% (18% where Table A.3.c applies) Impact strength: 27J at 0°C Weldability (CEV): 0.40% **Durability:** See Declaration of Performance Tolerances on dimensions and shape: In accordance with EN 10219-2:2006 Dangerous Substances: No Performance Determined (NPD)

