



Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code Forcon® 275J0H [Grade S275J0H / 1.0149]

Harmonised 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)

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 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-specific inspection 2.2 is sufficient.

Manufacturer TATA STEEL NEDERLAND TUBES BV
Registered in Netherlands No. 20022812
Registered office: Souvereinstraat 35, Oosterhout, 4903 RH, Netherlands
Website: www.tatasteelnederland.com

System of AVCP System of assessment and verification of constancy of performance of the product
System 2+ (FPC Certificate No: 0343/CPR/RQA2007001/A)

Notified body Notified body No. 0343
LRQA Nederland B.V.
George Hintzenweg 77
3068 AX Rotterdam
Netherlands

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

Date 04/09/2025

Table 1 – Essential characteristics and declared performances

Essential characteristic	Performance			Harmonised technical specification
	Nominal thickness (mm)		Values min (MPa)	
Yield strength	≤ 16		275	EN 10219-1:2006
	$> 16 \leq 40$		265	
Tensile strength	Nominal thickness (mm)		Values (MPa)	EN 10219-1:2006
			min max	
Elongation	< 3		430 580	EN 10219-1:2006
	$\geq 3 \leq 40$		410 560	
Impact strength (longitudinal)	Nominal thickness (mm)		Values min (%)	EN 10219-1:2006
			long. 20	
Weldability (CEV)	≤ 40		(18 where Table A.3 Note c applies)	EN 10219-1:2006
	Grade	Nom. Thk. (mm)	Impact Value min. average (J) at Test Temp (°C)	
Durability	J0H ≤ 40		27J at 0°C (a)	EN 10219-1:2006
			0.40	
Tolerances on dimensions and shape	Nominal thickness (mm)		Composition (cast) (max. unless otherwise shown)	EN 10219-1:2006
	≤ 40		C: 0.20 Si: - Mn: 1.50 P: 0.035 S: 0.030 N: -	
			FF deoxidation (b)	EN 10219-1:2006
			Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating	
			Round, square and rectangular hollow sections	EN 10219-2:2006
			In accordance with EN 10219-2:2006	

Notes:

(a) 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

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TATA STEEL NEDERLAND TUBES BV Registered in Netherlands No. 20022812 Registered office: Souvereinstraat 35, Oosterhout, 4903 RH, Netherlands
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EN 10219-1:2006
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Performance declared for the following essential characteristics:
Yield strength: 275 MPa (≤ 16 mm)
Tensile strength: 410 – 560 (≥ 3 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)



Declaration of Performance

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

Unique ID code Forcon® 275J0H [Grade S275J0H / 1.0149]

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)

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 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-specific inspection 2.2 is sufficient.

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System of AVCP System of assessment and verification of constancy of performance of the product System 2+ (FPC
Certificate No: 0038/CPR/RQA20070001/A)

Approved body Approved body No. 0038
LRQA Verification Ltd.
1 Trinity Park, Bickenhill Lane
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Birmingham
B37 7ES
United Kingdom

Table 1 – Essential characteristics and declared performances			
Essential characteristic	Performance		Harmonised technical specification
Yield strength	Nominal thickness (mm)	Values min (MPa)	EN 10219-1:2006
	≤ 16	275	
Tensile strength	≤ 16 ≤ 40	265	
	Nominal thickness (mm)	Values min (MPa) max	
Elongation	< 3	430 580	EN 10219-1:2006
	≥ 3 ≤ 40	410 560	
Impact strength (longitudinal)	Nominal thickness (mm)	Values min (%) long.	EN 10219-1:2006
	≤ 40	20 (18 where Table A.3 Note c applies)	
Weldability (CEV)	Grade	Nom. Thk. (mm)	EN 10219-1:2006
	J0H	≤ 40	
Durability	Nominal thickness (mm)	Values max (%)	EN 10219-1:2006
	≤ 40	0.40	
Tolerances on dimensions and shape	Nominal thickness (mm)	Composition (cast) (max. unless otherwise shown)	EN 10219-1:2006
	≤ 40	C: 0.20 Si: - Mn: 1.50 P: 0.035 S: 0.030 N: - FF deoxidation (b)	
Notes: (a) 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			

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EN 10219-1:2006

To be used in metal structures or in composite metal and concrete structures. This product is supplied with a non-specific 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 non-specific inspection 2.2 is sufficient.

Performance declared for the following essential characteristics:

Yield strength: 275 MPa (> 16 mm)

Tensile strength: 410 – 560 MPa (≥ 3 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)