



Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code Forcon® 275J2H [Grade S275J2H / 1.0138]
(with specific inspection)

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 specific inspection document 3.1 (according to EN 10204) that includes the full length non-destructive testing of the weld (as required in table 2 of EN 10219-1). This product is suitable for being used as constituent product of a steel structure according to EN 1090. Table 1 of EN 1090-2:2018 requires a 3.1 inspection document for structural steel above S275.

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	
Yield strength	Nominal thickness (mm)	Values min (MPa)		EN 10219-1:2006	
	≤ 16	275			
Tensile strength	≤ 16	≤ 40	265		
	Nominal thickness (mm)	Values (MPa)			
Elongation	≤ 3	min 430 max 580		EN 10219-1:2006	
	≥ 3	≤ 40	410 560		
Impact strength (longitudinal)	Nominal thickness (mm)	Values min (%)		EN 10219-1:2006	
	≤ 40	long. 20 (18 where Table A.3 Note c applies)			
Weldability (CEV)	Grade	Nom. Thk. (mm)	Impact Value min. average (J) at Test Temp (°C)		
	J2H	≤ 40	27J at -20°C		
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: 0.030 S: 0.030 N: - FF deoxidation (a)			
Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating					
Notes: (a) FF – Fully killed steel containing nitrogen binding elements		In accordance with EN 10219-2:2006			



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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 MPa (≥ 3 mm)

Elongation: 20% (18% where Table A.3.c applies)

Impact strength: 27J at -20°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)

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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.
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Solihull, West Midlands
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