



## Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code Forcon® TT 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](http://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

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	265	
	Nominal thickness (mm)	Values min (MPa)	
	≥ 3	430 580	
	≤ 40	410 560	
Elongation	Nominal thickness (mm)	Values min (%)	
	≤ 40	20 (18 where Table A.3 Note c applies)	
Impact strength (longitudinal)	Grade	Nom. Thk. (mm)	
	J0H	≤ 40	
Weldability (CEV)	Nominal thickness (mm)	Values max (%)	
	≤ 40	0.40	
Durability	Nominal thickness (mm)	Composition (cast) (max. unless otherwise shown)	
	≤ 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	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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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)

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Jacob Gerkema

Managing Director

Tata Steel Nederland Tubes B.V.

Souvereinstraat 35, Oosterhout, 4903 RH  
Netherlands

Date 04/09/2025



## Declaration of Performance

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

Unique ID code Forcon® TT 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)

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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  
Solihull, West Midlands  
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	
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	≥ 3	410 560	
Impact strength (longitudinal)	Nominal thickness (mm)	Values min (%)	EN 10219-1:2006
	≤ 40	20 (18 where Table A.3 Note c applies)	
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	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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Managing Director

Tata Steel Nederland Tubes B.V.  
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Date 04/09/2025

UK  
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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 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)