

Declaration of Performance (according to Regulation EU No 305/2011)

Unique ID code TST Hybox355J2H [Grade S355J2H / 1.0576]

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 defined 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 UK LIMITED
Registered in England No. 2280000
Registered office: 18 Grosvenor Place, London, SW1X 7HS, UK
Website : www.tatasteeluk.com

System of AVCP System of assessment and verification of constancy of performance of the product
System 2+ (FPC Certificate No: 0343/CPR/LRQ0840080/B)

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



Date- June 2025

Dean Cartwright
Director Technical Tata Steel UK
Port Talbot – South Wales
SA13 2NG -UK

Table 1 – Essential characteristics and declared performances

Essential characteristic	Performance			Harmonised technical specification
Yield strength	Nominal thickness (mm)		Value min (MPa)	EN 10219-1:2006
	≤ 16		355	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
			minmax	
	< 3	510	680	
≥ 3 ≤ 16	470	630		
Elongation	Nominal thickness (mm)		Value min (%)	
			long.	
	≤ 16	(18 where Table A.3, Note c applies)		
Impact strength (longitudinal)	Grade	Nom. Thk. (mm)	Impact Value min. average (J) at Test Temp (°C)	
	J2H	≤ 16	27J at - 20°C	
Weldability (CEV)	Nominal thickness (mm)		Value max (%)	
	≤ 16		0.45	
Durability	Nominal thickness (mm)		Composition (cast) (max. unless otherwise shown)	
	≤ 16		C: 0.22 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030	
			FF deoxidation (a)	
	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) 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: 355 MPa

Tensile strength: 470 – 630 MPa (≥ 3 mm)

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

Impact strength: 27J at - 20°C

Weldability (CEV): 0.45%

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 2020 No 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/LRQ0840080/B)
Approved body	Approved body No. 0038 LRQA Verification Limited 1 Trinity Park, Bickenhill Birmingham, B37 7ES UK



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			minmax	
	< 3		510680	
	≥ 3 ≤ 16		470630	
Elongation	Nominal thickness (mm)		Value min (%)	
			long.	
	≤ 16		20 (18 where Table A.3, Note c applies)	
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