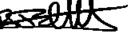


Declaration of Performance

(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.tatasteeleurope.com Authorised Simon Edwards – Technical Director (acting) representative Tata Steel Wenckebachstraat 1 Velsen Noord 1951 JZ NL PO Box 10.000 ljmuiden 1970 CA NL 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

Richard Sidebottom Director Mills, DSO & Technical Date 01/04/2024

Essential characteristic		Perfo	Harmonised technical specification		
	Nominal thickness			Value	
Yield strength	(mm)			min (MPa)	
	≤ 16			355	
Tensile strength	Nominal thickness (mm)			Values	
				(MPa)	
			min	max	
		: 3	510	680	
	≥ 3	≤ 16	470	630	
	Nominal thickness (mm)		Value		
			min (%)		
Elongation			long. 20		
	<	16			
	≥ 10		(18 where Table A.3, Note c applies)		
		Nom.		Value	
Impact strength (longitudinal)	Grade	Thk.	min. average (J)		
	(mm)		at Test Temp (°C)		
	J2H	≤ 16	27J at - 20°C		
Weldability (CEV)	Nominal thickness		Value		EN 10219-1:2006
	(mm)		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)		
	method o	f protection	pendent on any n subsequently and thickness of the		
Tolerances on dimensions and shape		quare and lar hollow	In accordance with EN 10219-2:2006		

Notes: (a) FF – Fully killed steel containing nitrogen binding elements

CE 0343							
TATA STEEL UK LIMITED Registered in England No. 2280000 Registered office: 18 Grosvenor Place, London, SW1X 7HS, UK							
24							
TST Hybox355J2H [Grade S355J2H / 1.0576]							
EN 10219-1:2006							
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.							
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)							



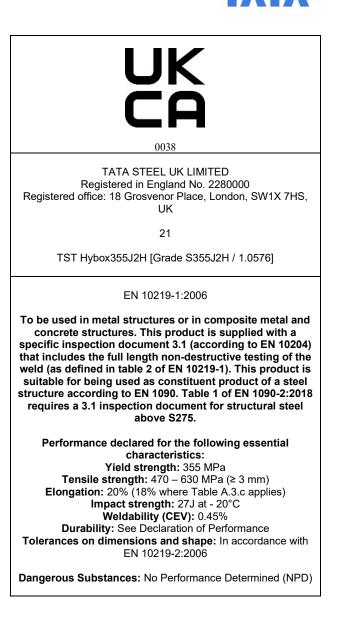


Declaration of Performance

(according to The Construction Products (Amendment etc.) (EU Exit) Regulations 2020 No 1359)					
Unique ID code	TST Hybox355J2H [Grade S355J2H / 1.0576]				
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 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 : <u>www.tatasteeleurope.com</u>				
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				

Essential characteristic		Perfo	Harmonised technical specification		
	Nominal thickness		Value		
Yield strength	(mm)		min (MPa)		
	≤ 16		355		
Tensile strength	Nominal thickness (mm)		Values		
			(MPa)		
			min	max	
	< 3		510	680	
	≥ 3 ≤ 16		470	630	
	Nominal thickness (mm)		Value min (%)		
Elongation			long. 20		
	<	≤ 16 Nom.		Table A.3.	
	_			applies)	
				Value	
Impact strength (longitudinal)	Grade	Thk.	min. average (J)		
	(mm)		at Test Temp (°C)		
	J2H	≤ 16	27J at - 20°C		
Weldability (CEV)	Nominal thickness		Value		EN 10219-1:2006
	(mm)		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)		
	method o	f protection	pendent on any n subsequently and thickness of the		
Tolerances on dimensions and shape	rectangu	quare and lar hollow tions	In accordance with EN 10219-2:2006		

Notes: (a) FF – Fully killed steel containing nitrogen binding elements



south

Richard Sidebottom Director Mills, DSO & Technical

