

## Declaration of Performance

(according to Regulation EU No 305/2011)

Ref. TST-Hybox355-J2H

**Cold formed structural hollow sections  
produced from non-alloy steel  
Grade S355J2H / 1.0576 according EN 10219-1**

For use in structural fabrications in accordance with EN 1090,  
when supplied with 3.1 certification to EN 10204 containing  
product identification details.

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System of assessment and verification of constancy of  
performance of the product  
System 2+

Notified factory production control certification body No. 0038  
performed the initial inspection of the manufacturing plant and of  
factory production control and the continuous surveillance,  
assessment, and issued the certificate of conformity of the factory  
production control

Notified Body  
Lloyds Register Verification Limited  
71 Fenchurch Street, London, EC3M 4BS  
Tel :+44 (0)207 423 2428  
Email : ecdirectives@lr.org  
Website : www.lr.org

Essential characteristic	Performance		Harmonised technical specification		
Tolerances on dimensions and shape	Round, square, rectangular and elliptical hollow sections		In accordance with EN 10219-2: 2006		
Yield strength	Nominal thickness (mm)		Values min (MPa)		
	>	<=			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	<=		min	max
	-	3		510	680
	3	16		470	630
Elongation	Nominal thickness (mm)		Values min (%)		
	>	<=		long.	
Impact strength (longitudinal)	Grade	Nom. Thk. (mm)	Impact Value (J) at Test Temp (°C)		
	J2H	<=16	27J at -20°C		
Weldability (CEV)	Nominal thickness (mm)		Values max (%)		
	>	<=			
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*		
	Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating				

Notes: \*FF – Fully killed steel containing nitrogen binding elements



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EN 10219-1: 2006

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Information on regulated characteristics in accordance with  
EN10219 for:

Elongation :  
Tensile Strength :  
Yield Strength :  
Impact Strength :  
Weldability :  
Durability :

Dangerous Substances : No Performance Determined