

DECLARATION OF PERFORMANCE in acc. with EU-regulation 305/2011, Annex III

No. 032 CPR 2014-09-11 SWT

1. Unique identification code of the product-type:

Hot rolled constructional steel products: 1.0577

2. Type, batch or serial number or any other element allowing identification of the construction products as required under Article 11(4):

Section S355J2 according to EN 10025-2

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Welded, bolted and riveted structures

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Stahlwerk Thüringen GmbH
Kronacher Straße 6
D-07333 Unterwellenborn
E-Mail: info@stahlwerk-thueringen.de

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 2+

6. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Notified factory production control certification body No. 0769

KIT Karlsruher Institut für Technologie
Versuchsanstalt für Stahl, Holz und Steine
Kaiserstraße 12
D-76128 Karlsruhe

performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

7. Declared performance:

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions	HE / IPE / UB / UC / BP / HP	according to EN 10034:1993			EN 10025-1:2004
	U / UPE / PFC	according to EN 10279:2000			
Yield strength	Nominal thickness (mm)		Values		
	>	≤	min (MPa)		
		16	355		
	16	40	345		
Tensile strength	Nominal thickness (mm)		Values		
	≥	≤	min (MPa)	max (MPa)	
	3	100	470	630	
Elongation $L_0 = 5,65 \sqrt{S_0}$	Nominal thickness (mm)		Values		
	≥	≤	min (%)		
	3	40	22		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	min (J)		
		100	27 at -20°C		
Weldability CEV	Nominal thickness (mm)		Values		
	>	≤		max (%)	
		30		0,45	
	30	40		0,47	
Durability	Nominal thickness (mm)		Values		
	>	≤		max (%)	
		30		C*: 0,20 Si: 0,55 Mn: 1,60 Cu: 0,55 P: 0,030 S: 0,030	
	* For nominal thickness > 30 mm max. 0,22 % C				

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Unterwellenborn, 11th of September 2014



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Udo Wicke
Quality Manager
Stahlwerk Thüringen GmbH