

# DECLARATION OF PERFORMANCE

1. Unique identification code of the product-type:

**1.0553 according to EN10027-2**

2. Type, batch or serial number or any other element allowing identification of the construction product:

**Hot-rolled products of steel grade S355J0  
according to EN 10025-2:2004**

3. Intended use or uses of the construction product , in accordance with the applicable harmonized technical specification:

**to be used in metal structures of non-alloy structural steels**

4. Name , registered trade name or registered trade mark and contact address of the manufacture:

**WUYANG IRON AND STEEL CO., LTD**

WUYANG, HENAN, CHINA 462500

TEL: 0086-375-8111899 FAX: 0086-375-8112634

E-MAIL: [wuyangsteel@188.com](mailto:wuyangsteel@188.com)

5. Name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):

**Not applicable**

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

**System 2+**

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

**Notified factory production control certificate body TUV Rheinland Group Industries Service GmbH 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 (Certificate No: 0035-CPD-A203)

8. Declared performance

Essential characteristic	Performance		Harmonised technical specification
Tolerances on dimensions and shape	Thickness Shape dimensions	EN 10025-2	
Yield Strength	Nominal thickness (mm)	Values (MPa) Min	
	≤16	355	
	>16≤40	345	
	>40≤63	335	
	>63≤80	325	
	>80≤100	315	
	>100≤150	295	
	>150≤200	285	
	>200≤250	275	
	>250≤400	--	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	<3	Min 510	Max 680
	≥3≤100	Min 470	Max 630
	>100≤150	Min 450	Max 600
	>150≤250	Min 450	Max 600
	>250≤400	--	--
Elongation	Nominal thickness (mm)	Values (%) Min	
	≥3≤40	22	
	>40≤63	21	
	>63≤100	20	
	>100≤150	18	
	>150≤250	17	
	>250≤400	--	
Impact strength for longitudinal test specimens KV at 0° C	Nominal thickness (mm)	Values (J)	
	≤150	27	
	>150≤250	27	
	>250≤400	27	
Weldability CEV	Nominal thickness (mm)	Values (%)	
	≤30	0.45	
	>30≤40	0.47	
	>40≤150	0.47	
	>150≤250	0.49	
	>250≤400	--	

EN 10025-2:2004

Durability	Nominal thickness (mm)	Values (%) max Ladle analysis
	≤16	C: 0.23 Si: 0.60 Mn: 1.70 P: 0.030% S: 0.015% Cu: 0.60%
	>16≤40	C: 0.23 Si: 0.60 Mn: 1.70 P: 0.030% S: 0.015% Cu: 0.60%
	>40	C: 0.24 Si: 0.60 Mn: 1.70 P: 0.030% S: 0.015% Cu: 0.60%

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

This declaration of performance is issued under the sole responsibility of the manufacture identified in point 4.

Signed for and on behalf of the manufacture by :

Name: Lan Dejie

Title: Manager of Export Department

WUYANG IRON AND STEEL CO., LTD

China, 16<sup>th</sup> SEPTEMBER 2014

Signed and on behalf of  
WUYANG IRON AND STEEL CO., LTD



Authorised signature (s)