

DECLARATION OF PERFORMANCE

1. Unique identification code of the product-type:

1.0045 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 S235JR+N
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

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-CPR-A203)**

8. Declared performance

Essential characteristic	Performance			Harmonised technical specification
Tolerances on dimensions and shape	Thickness Shape dimensions	EN 10025-2		EN 10025-2:2004
Yield Strength	Nominal thickness (mm)	Values (MPa)		
	≤16	Min		
	>16≤40	235		
	>40≤63	225		
	>63≤80	215		
	>80≤100	215		
	>100≤150	195		
	>150≤200	185		
	>200≤250	175		
>250≤400	-			
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	<3	Min360	Max510	
	≥3≤100	Min360	Max510	
	>100≤150	Min350	Max500	
	>150≤250	Min340	Max490	
>250≤400	-	-		
Elongation	Nominal thickness (mm)	Values (%)		
	≥3≤40	Min		
	>40≤63	26		
	>63≤100	25		
	>100≤150	24		
	>150≤250	22		
>250≤400	21			
Impact strength for longitudinal test specimens KV at 20° C	Nominal thickness (mm)	Values (J)		
	≤150	27		
	>150≤250	27		
	>250≤400	-		
Weldability CEV	Nominal thickness (mm)	Values (%)		
	≤30	0.45		
	>30≤40	0.47		
	>40≤150	0.47		
	>150≤250	0.49		
>250≤400	0.45			

Durability	Nominal thickness (mm)	Values (%) max
	≤16	C: 0.24 Si: 0.55 Mn: 1.60 N:0.012 P: 0.035 S: 0.035 Cu: 0.55
	>16≤40	C: 0.24 Si: 0.55 Mn: 1.60 N:0.012 P: 0.035 S: 0.035 Cu: 0.55
	>40	C: 0.24 Si: 0.55 Mn: 1.60 N:0.012 P: 0.035 S: 0.035 Cu: 0.55

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.

(please insert WuYang's name and signatory)

China, 17th August 2015