



**Declaration of Performance
acc. to Regulation (EU) No.305/2011, Annex III**

No. S235JR-CPR-0790

- 1 Unique identification code of product type:
S235JR no DIN EN10025-2
- 2 Product designation:
Hot-rolled plates and coils, incl. plates from coils, sections and shapes of non-alloy and fine-grain steel for metal structures
- 3 Manufacturer:
Open Joint Stock Company Magnitogorsk Iron and Steel Works (OJSC MMK), Kirova, 93, Magnitogorsk, Russia, 455000. e-mail: infommk@mmk.ru, www.mmk.ru
- 4 Manufacturer's authorized representative acting on the basis of the mandate as required under Article 12 (2):
Not applied
- 5 Performance stability assessment system:
System 2+
- 6a Name and number of the notified body which issued the certificate:
The certification body for construction materials registered under No.0045 TÜV NORD Systems GmbH & Co. KG (Hamburg, Germany) has carried out initial inspection of the plant as well as in-plant production test and is carrying out ongoing monitoring, assessment and recognition of in-plant production testing in accordance with DIN EN10025-1:2005, Appendix ZA. Certificate No. 0045-CPR-0790 was issued.
- 6b Declaration for construction products for which European Technical Assessment was issued:
Not applied
- 7 Technical characteristics for quality:

Performance characteristics	Specified values	Harmonized technical requirements
Dimensions:		
• Plates	8,0 – 160,0 mm	DIN EN 10029:2011
• Coils and plates from coils	1,4 – 20,0 mm	DIN EN 10051:2011
• Long products – Round bar	Ø: 5,5 – 75,0 mm	DIN EN 10060:2004
• Long products – Square bar	□: 14 – 65 mm	DIN EN 10059:2004
• Long products – Flat bar	s:4,0 – 60,0 mm	DIN EN 10058:2004
• Shaped products – Equal angle	s: 3-16; L: 40x40-125x125	GOST 8509-93
• Shaped products – Unequal angle	s: 3-16; L: 63x40-125x70	GOST 8510-86
• Shaped products – U-section	U50-U180	GOST 8240-97
Mechanical properties: (thickness dependent, mm):	≤1,5 >1,5 >2,0 >2,5 ≥3,0 ≥6,0 >16 >40 >63 >100 >150 ≤2,0 ≤2,5 <3,0 <6,0 ≤16,0 ≤40 ≤63 ≤100 ≤150	DIN EN 10025-2:2005
Tensile strength, Rm, N/mm ²	360 - 510 350 - 500 340 - 490	
Yield strength, ReH, N/mm ² (min)	235 225 215 195 185	
Elongation, A, % (min)	16 17 18 19 24 23 22 21	
Impact energy, KV at 20°C, J (on demand) (min)	- 27	
Chemical composition, % (max)	C, for thicknesses, mm Mn P S N Cu	DIN EN 10025-2:2005
	≤40 >40 1,40 0,035 0,035 0,012 0,55	
Carbon equivalent, CEV (max)	0,35 0,38 0,40	

- 8 Appropriate Technical Documentation and/or Specific Technical Documentation: **not applied.**

Confirmation:

The performance of the product identified in Items 1 and 2 is in conformity with the declared performance in Item 7. This Declaration of Performance is issued under the sole responsibility of the manufacturer stated in Item 3.

Signed for and on behalf of the manufacturer by:

Technical Director

Name & Position

G.V. Schurov

Magnitogorsk, 01.01.2016

Place and Date of issue

Signature, Stamp

