

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

**No. S355K2-CPR-0790**

- 1 Unique identification code of product type:  
**S355K2 по 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](mailto:infommk@mmk.ru), [www.mmk.ru](http://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 |
|---|--|-----------------------------------|
| <b>Dimensions:</b>  |  |                                   |
| • 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                      |
| <b>Mechanical properties:</b><br>(thickness dependent, mm): | ≤1,5 >1,5 >2,0 >2,5 ≥3,0 ≥6,0 >16 >40 >63 >80 >100 >150<br>≤2,0 ≤2,5 <3,0 <6,0 ≤16,0 ≤40 ≤63 ≤80 ≤100 ≤150 | DIN EN 10025-2:2005               |
| Tensile strength, Rm, N/mm <sup>2</sup>                     | 510-680 470-630 450 - 600  |                                   |
| Yield strength, ReH, N/mm <sup>2</sup> (min)                | 355 345 335 325 315 295 285  |                                   |
| Elongation, A, % (min)                                      | 13 14 15 16 20 19 18 17  |                                   |
| Impact energy, KV at -20°C, J (min)                         | - 40   |                                   |
| <b>Chemical composition, % (max)</b>                        | C, for thicknesses mm Si Mn P S N Cu   | DIN EN 10025-2:2005               |
|   | ≤30 >30 0,55 1,60 0,025 0,025 - 0,55   |                                   |
|   | 0,20 0,22 0,55 1,60 0,025 0,025 - 0,55   |                                   |
| <b>Carbon equivalent, CEV (max)</b>                         | for thicknesses, mm  |                                   |
|   | ≤ 30 > 30 ≤ 150 >150   |                                   |
|   | 0,45 0,47 0,49   |                                   |

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

Magnitogorsk, 01.01.2016  
Place and Date of issue



G.V. Schurov  
Signature, Stamp