

*31/21/28*  
19-12-2017

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**DECLARATION OF PERFORMANCE**  
**according to Construction Products Regulation No.305/2011/EU,**  
**Annex III**  
**No.S235JR+AR-CPR-02/2**

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1. Unique identification code of the product-type:  
**S235JR+AR according to EN 10025-2:2004**
  2. Intended use:  
**to be used in metal structures of non-alloy structural steels**
  3. Manufacturer:  
**PRIVATE JOINT STOCK COMPANY**  
**"ILYICH IRON AND STEEL WORKS OF MARIUPOL"**  
Levchenko str., 1, Mariupol,  
Donetsk Region,  
87504, Ukraine  
Tel.: +380 (629)56-33-30  
E-mail: [office@ilyichsteel.com](mailto:office@ilyichsteel.com)
  4. System of AVCP:  
**System 2+**
  - 5a. Harmonised standard:  
**EN 10025-1:2004**
- Notified body:  
**№ 0036**  
**TUV SUD Industrie Service GmbH, Westendstr. 199, D – 80686 Munich**

6. Declared performance:

Essential characteristic	Performance		Harmonized technical specification
<b>Tolerances on dimensions and shape</b>	Thickness Shape, dimensions	up to 8mm – EN 10051 up to 50mm – EN 10029	EN 10025-2:2004
<b>Yield strength</b>	Nominal thickness (mm)	Values (MPa) min	
	≤16	235	
	>16≤40	225	
	>40≤63	215	
<b>Tensile strength</b>	Nominal thickness (mm)	Values (MPa)	
	<3	min 360   max 510	
	≥3≤100	min 360   max 510	
<b>Elongation</b>	Nominal thickness (mm)	Values (%) min	
	≤1	15	
	>1,0≤1,5	16	
	>1,5≤2,0	17	
	>2,0≤2,5	18	
	>2,5<3	19	
	≥3≤40	24	
	>40≤63	23	
<b>Delivery condition</b>	As-rolled (+AR)		
<b>Impact energy, longitudinal specimen, KV at 20°C</b>	Nominal thickness (mm)	Values (J)	
	≤150	min 27	
<b>Weldability CEV</b>	Nominal thickness (mm)	Values (%) max	
	≤30	0,35	
	>30≤40	0,35	
	>40≤150	0,38	
<b>Chemical composition</b>	Nominal thickness (mm)	Values (%) max	
	≤40	C: 0,19; Mn:1,5; Si: -; P: 0,045; S: 0,045; N: 0,014; Cu:0,60	
	>40	C: 0,23; Mn:1,5; Si: -; P: 0,045; S: 0,045; N:0,014; Cu:0,60	

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued in accordance with Regulation (EU) No.305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

**Technology and Quality Director**

**PJSC “ILYICH IRON AND STEEL WORKS OF MARIUPOL”**

**V.P.Baranov**



Mariupol, 2017/12/19