

31/2177
19-12-2017

DECLARATION OF PERFORMANCE
according to Construction Products Regulation No.305/2011/EU,
Annex III
No.S235JR+N-CPR-02/1

1. Unique identification code of the product-type:
S235JR+N 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
 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
Tolerances on dimensions and shape	Thickness Shape, dimensions	up to 8mm – EN 10051 up to 50mm – EN 10029	EN 10025-2:2004
Yield strength	Nominal thickness (mm)	Values (MPa) min	
	≤16	235	
	>16≤40	225	
	>40≤63	215	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	<3	min 360 max 510	
	≥3≤100	min 360 max 510	
Elongation	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	
Delivery condition	Normalizing rolling (+N)		
Impact energy, longitudinal specimen, KV at 20°C	Nominal thickness (mm)	Values (J)	
	≤150	min 27	
Weldability CEV	Nominal thickness (mm)	Values (%) max	
	≤30	0,35	
	>30≤40	0,35	
	>40≤150	0,38	
Chemical composition	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