

Declaration of Performance

(according to regulation EU No 305/2011)

DoP No 00186217-04-2015

1) Code of the product type: 1 0044 according to EN 10027-2

2) Type: coils & sheets (IAR, I N, I M) S275JR according to EN 10025-2-2004

Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) PAO Severstal

162608, Russia, Vologda region, Cherepovets, Mira str., 30

System of assessment and verification of constancy of performance of the product: System 2+ (according to certificate)

Notified factory production control certification body No. 0038 LRV 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 № 0038/CPD/20060016/A, 0038/CPR/RQA/666869/1.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3 Signed for and on behalf of the manufacturer by:

Head of CTDQ

Severstal Russian Steel Division

S.P. Kotsur

Date: « 18 » 2015

STAMP HERE




S.P. Kotsur



Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimension and shape	Sheet / coil	EN 10048, EN 10051, EN 10029		EN 10025-1:2004
	Nominal thickness, (mm)	Values, (MPa)		
Yield strength	≤ 16	275		
	> 16 ≤ 40	265		
	> 40 ≤ 63	255		
	> 63 ≤ 80	245		
	> 80 ≤ 100	235		
	> 100 ≤ 150	225		
	> 150 ≤ 160	215		
Tensile strength	Nominal thickness, (mm)	values, (MPa)		
	< 3	430 - 580		
	≥ 3 ≤ 100	410 - 560		
	> 100 ≤ 150	400 - 540		
	> 150 ≤ 160	380 - 540		
Elongation	Nominal thickness, (mm)	Values, (%)		
	≤ 1	15		
	> 1 ≤ 1.5	16		
	> 1.5 ≤ 2	17		
	> 2 ≤ 2.5	18		
	> 2.5 ≤ 3	19		
	> 3 ≤ 40	23		
	> 40 ≤ 63	22		
	> 63 ≤ 100	21		
	> 100 ≤ 150	19		
	> 150 ≤ 160	18		
Impact strength (+20 °C)	Nominal thickness, (mm)	Values, (J)		
	≤ 150	27		
	> 150 ≤ 160	27		
Equivalent carbon content (weldability)	Nominal thickness, (mm)	Values, (%)		
	≤ 30	0.40		
	> 30 ≤ 40	0.42		
	> 40 ≤ 150	0.42		
	> 150 ≤ 160	0.44		
Durability (chemical composition)	Nominal thickness, (mm)	Values, (%)		
	≤ 40	C : 0.21	Mn : 1.50; P : 0.035;	
	≥ 40 ≤ 160	C : 0.22	S : 0.035; N : 0.12; Cu : 0.55	

18 MAR 2015