

Declaration of Performance

(according to regulation EU No 305/2011)

DoP No 00186217-02-2014

1) Code of the product type: 1 0143 according to EN 10027-2

2) Type: coils & sheets (+AR, + N, + M) **S275J0** 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: "10" "05" 2015.

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18 MAY 2015

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimension and shape	Sheet / coil	EN 10048, EN 10051 EN 10029		
Yield strength	Nominal thickness, (mm)	Values, (MPa)		
	≤ 16	275		
	> 16 ≤ 40	265		
	> 40 ≤ 63	255		
	> 63 ≤ 80	245		
	> 80 ≤ 100	235		
	> 100 ≤ 150	225		
Tensile strength	> 150 ≤ 160	215		
	Nominal thickness, (mm)	Values, (MPa)		
	< 3	430 - 580		
	≥ 3 ≤ 100	410 - 560		
Elongation	> 100 ≤ 150	400 - 540		
	> 150 ≤ 160	380 - 540		
	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		
Impact strength (0 °C)	> 63 ≤ 100	21		
	> 100 ≤ 150	19		
	> 150 ≤ 160	18		
Equivalent carbon content (weldability)	Nominal thickness, (mm)	Values, (J)		
	≤ 150	27		
	> 150 ≤ 160			
	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 : 0,18	Mn : 1,50, P : 0,030;	
	≥ 40 ≤ 160	C : 0,20	S : 0,030; N : 0,012 Cu : 0,55	