



**Declaration of Performance**

(according to regulation EU No 305/2011)

DoP No. 00186217-01-2013

- 1) Code of the product type: 1.0114 according to EN 10027-2
- 2) Type: coils & sheets (+AR, + N, + M) S235J0 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) OAO 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 «Lloyd's Register EMEA» (LR) 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.

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 CTDO  
Severstal Russian Steel Division  V.P. Naumchenko  
Date: « 10 » 2013  
«Северсталь»  
STAMP HERE  
официальное общество  
РОССИЯ

Essential characteristic	Performance	Harmonised technical specification
Tolerances on dimension and shape	Sheet / coil	EN 10048, EN 10051, EN 10029
	Nominal thickness, (mm)	Values, (MPa)
Yield strength	≤ 16	235
	> 16 ≤ 40	225
	> 40 ≤ 63	215
	> 63 ≤ 80	
	> 80 ≤ 100	
> 100 ≤ 135	195	
Tensile strength	Nominal thickness, (mm)	Values, (MPa)
	< 3	360 + 510
	≥ 3 ≤ 100	350 + 500
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	24
	> 40 ≤ 63	23
	> 63 ≤ 100	22
	> 100 ≤ 135	22
Impact strength(0 °C)	Nominal thickness, (mm)	Values, (J)
	≤ 150	27
Equivalent carbon content (weldability)	Nominal thickness, (mm)	Values, (%)
	≤ 30	0,35
	> 30 ≤ 40	0,38
> 40 ≤ 135		
Durability (chemical composition)	Nominal thickness, (mm)	Values, (%)
	≤ 135	C: 0,17; Mn: 1,40; P: 0,030; S: 0,030; N: 0,12; Cu: 0,55

EN 10025-1:2004