



**Declaration of Performance
(according to regulation EU No 305/2011)**

No. LO-F-ST-5/02-CPR-19-1

1) Code of the product type: **1.8961**

2) Type: **Plates S235J2W** according EN 10025-5

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

to be used as cut to length plates in metal structures or in composite metal and concrete structures

3) **LIBERTY OSTRAVA a.s.**
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System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 1020 Technical and Test Institute for Construction Prague (TZUS) 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 certificates of conformity of the factory production control.

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:

David Božon
Director of Rolling mills

Date: 19.08.2019

Essential characteristic		Performance		Harmonized technical specification
Tolerances on dimensions and shape	Thickness		EN 10051	
	Flatness on cut to length plate		EN 10051	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	235	
	16	30	225	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
		30	360	510
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	samples
		2	17	A80
	2	2.5	18	A80
	2.5	3	19	A80
	3	30	24	A5.65VSo
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		30	27 at -20°C	
Weldability (CEV)	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		100	0,44	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤		
		100	C : ≤ 0,13	Cu : 0,25 - 0,55
			Si : ≤ 0,40	Ni : ≤ 0,65
			Mn : 0,20 - 0,60	Cr : 0,40 - 0,80
			P : ≤ 0,035	
	S : ≤ 0,035			

EN 10025-1:2004