



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

No. LO-L-SM-5/01-CPR-20-1

Code of the product type: **1.8959**

2) Type: **Sections/Bars S355J0W 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 in welded, bolted and riveted structures

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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: 02.03.2020

Essential characteristic		Performance	Harmonized technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	
	I and H sections	EN 10034	
	Tapered Flange I UPE, UPN	EN 10024 EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	> ≤	min max	
Tensile strength	16	355	
	40	345	
	63	335	
Elongation	Nominal thickness (mm)	Values (MPa)	
	> ≤	min max	
	=3 100	470 630	
Impact strength	Nominal thickness (mm)	Values (%)	EN 10025-1:2004
	> ≤	min max	
	=3 40 63	22 21	
Weldability	Nominal thickness (mm)	Values (J)	
	> ≤	min max	
	63	27 at 0°C	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	> ≤	min max	
	40	C : 0,16 Si : 0,50 P : 0,040 Mn : 0,50 Cu : 0,25 Cr : 0,40**	
<p>* The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present. The N binding elements shall be mentioned in the inspection document. Cr content can be reduced to 0,37% if the Si content is min. 0,15%.</p> <p>CEV max. 0,52% The steels may show a Ni content of max. 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr.</p>			