

DECLARATION OF PERFORMANCE
according to regulation (EU) No. 305/2011

No. LO-F-ST-2/07-CPR-22-1

Unique identification code of the product-type:

Hot rolled strip, band and sheet of structural non-alloy steels grade S355JR according to EN 10025-2, steel number 1.0045

Intended use: Metal structures or in composite metal and concrete structures.

Manufacturer :
LIBERTY Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava – Kunčice
Czech Republic
Tel. +420 59 733 1111
libersteeelgroup.com/cz

System of AVCP: System 2+


Harmonised standard: EN 10025-1:2004

Notified body:
Technický a zkušební ústav stavební Praha, s.p.
Prosecká 811/76a, Praha 9 – Prosek,
NB No. 1020

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

At Ostrava on 1.4.2022


 Ing. Jan Pudich
 Director of Plant 16 – Downstream Flat

Declared performances				
Basic characteristics	Performance			Harmonised technical specification
Dimensional tolerance	Sheets, strips, stripes		EN 10051	
Yield point (Re)	Nominal thickness (mm)		Values (Mpa)	
	>	≤	min	
		16	355	
Ultimate tensile strength (Rm)	Nominal thickness (mm)		Values (Mpa)	
			min	max
		<3	510	680
	≥3	≤100	470	630
Elongation**	Nominal thickness (mm)		Values (%)	
	>	≤	min. T	min. L
	1	1.5	13	15
	1.5	2	14	16
	2	2.5	15	17
	> 2.5	<3	16	18
	≥3	≤40	20	22
Impact energy	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		150	27 at 20°C	
Weldability CEV	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		30	0.45	
Chemical composition	Nominal thickness (mm)		Values (%)	
	>	≤		
		16	C: 0.24	S: 0.035
			Si: 0.55	Cu: 0.55
			Mn: 1.60	N*: 0.012
			P: 0.035	
* The maximum nitrogen content values do not apply if the total Al content is at least 0.020%, or if other adequate elements that bind N are present. ** Elongation, T – transversal direction, L – Longitudinal direction				

EN 10025-1:2004