

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

No. LO-F-ST-2/16-CPR-22-1

Unique identification code of the product-type:

Hot rolled strip, band and sheet of structural non-alloy steels grade S355JRC according to EN 10025-2, steel number 1.0551

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 | | EN 10025-1:2004 |
| 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 | | | | | |