



Declaration of Performance (DoP) in acc. with

**Construction Products (Amendment etc.) (EU Exit) Regulations 2019 (No. 465)
Construction Products (Amendment etc.) (EU Exit) Regulations 2020 (No. 1359)**

No. ILGS235J2W-UKCA-10025-01112022

1. Unique identification code of the product Type:

Plate S235J2W / 1.8961 in accordance with EN 10025-5

2. Intended use(s):

Metallic structure, metallic- / concrete composite construction

3. Name, registered trade name or registered trademark and contact address of the manufacturer:

**Ilseburger Grobblech GmbH
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38871 Ilseburg, Germany
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Fax: +49 (0) 39452 85 - 8161
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4. Name and contact address of the authorised representative whose mandate covers the tasks:

- not applicable -

5. System or systems of assessment and verification of constancy of performance of the construction product:

System 2+

6. Declaration of performance concerning a construction product covered by a harmonised standard:

Approved Body - TÜV UK Ltd (No. UKAB 0879) - 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 in accordance with annex ZA of EN 10025-1:2004.

7. Declared Performance:

| Essential characteristic | Performance | | | | Harmonised technical specification |
|------------------------------------|----------------------------|-----|------------------------|------|------------------------------------|
| Tolerances on dimensions and shape | see supplementary sheet 1 | | | | EN 10025-1:2004 |
| Yield strength | Nominal thickness (mm) | | Values (MPa) | | |
| | > | ≤ | ≥ | | |
| | | 16 | 235 | | |
| | 16 | 40 | 225 | | |
| | 40 | 63 | 215 | | |
| | 63 | 80 | 215 | | |
| | 80 | 100 | 215 | | |
| 100 | 150 | 195 | | | |
| Tensile strength | Nominal thickness (mm) | | Values (MPa) | | |
| | | ≤ | ≥ | ≤ | |
| | ≥ 3 | 100 | 360 | 510 | |
| | > 100 | 150 | 350 | 500 | |
| Elongation | Nominal thickness (mm) | | Values (%) | | |
| | | ≤ | ≥ | | |
| | ≥ 3 | 40 | 24 | | |
| | > 40 | 63 | 23 | | |
| | > 63 | 100 | 22 | | |
| > 100 | 150 | 22 | | | |
| Impact energy | Nominal thickness (mm) | | Values (J) Temp. -20°C | | |
| | | ≤ | ≥ | | |
| | | 150 | 27 | | |
| Weldability | Nominal thickness (mm) | | CEV (%) | | |
| | > | ≤ | | ≤ | |
| | | 150 | | 0,44 | |
| | see also EN 10025-5: 7.4.1 | | | | |



| Essential characteristic | Performance | | | | | Harmonised technical specification |
|--------------------------|------------------------|-----|--------------------|------|-------|------------------------------------|
| Durability | Nominal thickness (mm) | | Ladle analysis (%) | | | EN 10025-1:2004 |
| | | ≤ | | ≥ | ≤ | |
| | | 150 | C | | 0,13 | |
| | | | Si | | 0,40 | |
| | | | Mn | 0,20 | 0,60 | |
| | | | P | | 0,035 | |
| | | | S | | 0,030 | |
| | | | N | | - | |
| | | | Cr | 0,40 | 0,80 | |
| | | | Cu | 0,25 | 0,55 | |
| | | | Ni | | 0,65 | |
| | | | Mo | | 0,30 | |
| | | | Zr | | 0,15 | |

The performance of the product named above is in conformity with the declared performances.
This declaration of performance is issued under the sole responsibility of the above-mentioned manufacturer.

Signed for and on behalf of the manufacturer by:

Ilseburg, 01.11.2022

Dipl.-Ing. Andreas Rost
Head of Order Management and Technical Service