



DECLARATION OF PERFORMANCE

NOR-G3Si1

ACCORDING TO REGULATION EU no. 305/2011

**1. Unique identification code of the product-type:**

EN ISO 14341-A: G 42 4 M21 3Si1 / G 38 3 C1 3Si1

2. Intended use/es:

Use in metallic structures or in composite metal and concrete structures

3. Manufacturer:

Artweld s.r.o., Nádražní 120, 46006 Liberec, Czech Republic

4. Authorised representative:

Not applicable

5. System/s of AVCP:

System 2+

6. Harmonised standard: EN 13479:2017

Notified body/ies: Notified factory production control certification body number 0035 – TÜV Industrie Service GmbH Am Grauen Stein – 51105 Köln, Germany - 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; Certificate no: 0035-CPR-C963

7. Declared performance/s:

| CHEMICAL COMPOSITION % | | Essential characteristics (EN 13479: 2017, Annex ZA) | Performance | Harmonized technical standard |
|------------------------|------------|--|-----------------|------------------------------------|
| C | 0.060–0.14 | Tolerances on dimensions | passed | EN 13479:2017, EN ISO 544: 2011 |
| Si | 0.70–1.00 | Elongation | ≥ 22 % | EN 13479: 2017, EN ISO 14341: 2011 |
| Mn | 1.30–1.60 | Tensile strength | 560–720 MPa | EN 13479: 2017, EN ISO 14341: 2011 |
| P/ S | 0.025 | Yield strength | ≥ 500 MPa | EN 13479: 2017, EN ISO 14341: 2011 |
| Ni/ Cr/ Mo | 0.15 | Impact toughness | ≥ 47 J (-40 °C) | EN 13479: 2017, EN ISO 14341: 2011 |
| V | 0.03 | Chemical composition | passed | EN 13479: 2017, EN ISO 14341: 2011 |
| Cu | 0.35 | Durability | passed | EN 13479: 2017 |
| Al | 0.02 | Dangerous substances | passed | EN 13479: 2017 |
| Ti+Zr | 0.15 | Emission of radioactivity | Is not relevant | EN 13479: 2017 |

8. The performance of the product identified above is in conformity with the set of declared performance/s. 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:

In Liberec, 26. 1. 2023

Place and date of issue

Radoslav Marek, SEO

ARTWELD S.R.O.
 Nádražní 120, 460 06 Liberec 6
 IČ: 25046209, DIČ: CZ25046209
 Tel.: 482 737 414