



DECLARATION OF PERFORMANCE

NOR-G4Si1

ACCORDING TO REGULATION EU no. 305/2011



1. Unique identification code of the product-type:

EN ISO 14341-A: G 46 4 M21 4Si1 / G 42 2 C1 4Si1

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	0.80–1.20	Elongation	≥ 20 %	EN 13479: 2017, EN ISO 14341: 2011
Mn	1.60–1.90	Tensile strength	530–720 MPa	EN 13479: 2017, EN ISO 14341: 2011
P/ S	0.025	Yield strength	≥ 460 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

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