

Declaration of Performance
Ref. ELB-ER100S-G -2018-02

1. Unique identification code of the product-type:

« ELB-ER100S-G» (EN ISO 16834-A: G 69 4 M Mn3NiCrMo)

2. Type, batch or serial number or any other element allowing identification of the construction product:

ELB-ER100S-G

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

use in metallic structures or in composite metal and concrete structures

4. Name, registered trade name and contact address of the manufacturer as required pursuant to Article 11(5):

ELBOR SPA , 83030 MONTEFREDANE (AV) ITALY, VIA NAZIONALE ARCELLA 12 BIS

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

Notified factory production control certification body number 0035 – TÜV Industrie Service GmbH Am Grauen Stein – 51105 Koln, 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-C607

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued

Not applicable

9. Declared performance

Essential characteristics (EN 13479: 2004, Annexe ZA)	Performance	Harmonised technical specification
Tolerances on dimensions	passed	EN 13479:2004 , EN ISO 544: 2011
Elongation	≥ 18 %	EN 13479: 2004, EN ISO16834-A:2012
Tensile strength	700 – 890 MPa	EN 13479: 2004, EN ISO16834-A:2012
Yield strength	≥ 690 MPa	EN 13479: 2004, EN ISO16834-A:2012
Impact strength	≥ 47 J (- 40 °C)	EN 13479: 2004, EN ISO16834-A:2012
Chemical composition	passed	EN 13479: 2004, EN ISO16834-A:2012
Durability	passed	EN 13479: 2004
Dangerous substances	passed**)	EN 13479:2004
Emission of radioactivity	Is not relevant	EN 13479:2004

***) More details about dangerous substances see Material safety data sheet at www.elbor.it

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9
 This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for, and on behalf of the manufacturer by:

Mr. IANNACONE – COMMERCIAL DIRECTOR

(Name and function)

Ciro Iannacone

Montefredane,
09/01/2020

(place and date of issue)



(signature)