



DECLARATION OF PERFORMANCE

acc Regulation (EU) No. 305/2011

1: Unique identification code of the product-type:

Weld G3Si1 - EN ISO 14341-A: G 3Si1, EN ISO 14341-A: G 38 2 C1 3Si1, EN ISO 14341-A: G 42 3 M21 3Si1

2: Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Solid wire, with item no starting with: 2321

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

Welding consumable used 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):

ESAB / ESAB AB, Box 8004, SE-402 77 Göteborg, Sweden.

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

NA

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 Rheinland Industrie Service GmbH, Cologne, 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-CPD-C100.

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

NA

9: Declared performance:

Essential characteristics (EN 13479:2004)	Performance with C1*	Performance with M21*	Harmonised technical specification
Tolerances on dimensions	Passed	Passed	EN 13479:2004, EN ISO 544:2011
Elongation	≥20 %	≥20 %	EN 13479:2004, EN ISO 14341:2011
Tensile strength	≥470 MPa, ≤600 MPa	≥500 MPa, ≤640 MPa	EN 13479:2004, EN ISO 14341:2011
Yield strength	≥380 MPa	≥420 MPa	EN 13479:2004, EN ISO 14341:2011
Impact toughness	≥47 J, -20° C	≥47 J, -30° C	EN 13479:2004, EN ISO 14341:2011
Chemical composition	Passed	Passed	EN 13479:2004, EN ISO 14341:2011
Durability	Passed	Passed	EN 13479:2004
Dangerous substances	Passed**	Passed**	EN 13479:2004
Emission of radioactivity	Is not relevant	Is not relevant	EN 13479:2004

*) EN ISO 14175:2008

***) See Safety Data Sheet available at www.esab.com



DoP No:
ESAB2321G

Rev:
0

Cancelling:
-

Reg Date:
2013-06-25

Page:
2(2)



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:

Göteborg, 2013-06-25

A handwritten signature in black ink, appearing to read "Tero Tolonen". The signature is fluid and cursive.

Tero Tolonen
Global Certification Manager
ESAB AB, Consumables, Box 8004, SE-402 77 Göteborg, Sweden
Tel No: +46-31-50 91 46, e-mail: tero.tolonen@esab.se