



## Declaration of Performance

Ref. 110 / 00-99

1. Unique identification code of the product-type:

**»MEGAFIL® 1100 M« (EN ISO 18276-A – T 89 4 Mn2NiCrMo M M 1 H5)**

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

**Type - number MF1100M / M21**

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):

**ITW Welding GmbH, 67317 Altleiningen, Spechtal 1a**

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 Rheinland Industrie Service GmbH, Am Grauen Stein, D-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 – C500.**

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<br>(EN 13479: 2004, Annexe ZA) | Performance  | Harmonised technical specification      |
|--|--|---|
| Elongation   | > 15 %   | EN 13479: 2004,<br>EN ISO 18276-A: 2006 |
| Tensile strenght   | 940 - 1180 MPa   | EN 13479: 2004,<br>EN ISO 18276-A: 2006 |
| Yield strenght   | > 890 MPa  | EN 13479: 2004,<br>EN ISO 18276-A: 2006 |
| Impact strenght  | > 47 J / -40°C   | EN 13479: 2004,<br>EN ISO 18276-A: 2006 |
| Chemical composition of the pure weld metal (%)          | Mn:1,4-2,0 Si:0,90max. Ni:1,8-2,6<br>Cr:0,3-0,6 Mo:0,3-0,6 | EN 13479: 2004,<br>EN ISO 18276-A: 2006 |
| 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.itw-welding.de](http://www.itw-welding.de)

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:

G.Hiereth, QMB

(Name and funktion)

Altleiningen / 07. November 2014

(place and date of issue)

  
(Unterschrift)