



DECLARATION OF PERFORMANCE

- No.: 235
 Revision Date: 21.03.2022
1. **Unique identification code of the product-type:** »MEGAFIL 235 M « (EN ISO 17634-A: T Mo M M21 1 H5)
2. **Intended use:** Filler material to be used for fusion welding of metallic structures or composite metal and concrete structures in construction works.
3. **Manufacturer:** ITW Welding GmbH,
 Spechtal 1a,
 D-67317 Altleiningen,
 Germany
4. **System of AVCP:** 2+
5. **Harmonised standard:** EN 13479: 2017
Notified body: TÜV Rheinland Industrie Service GmbH,
 Am Grauen Stein,
 D-51105 Köln,
 Germany
- Identification number of the notified body: 0035

6. **Declared performances:**

Essential Characteristics:	Performance:	Harmonised Technical Specifications:
Chemical composition of the pure weld metal % (m/m)	C=0,07-0,12; Mn=0,60-1,30; Si≤0,80; Mo=0,40-0,65	EN 13479: 2017; EN ISO 17634-A:2015

Noncommittal additional information provided by the manufacturer:

Usable shielding gases:

M21

Characteristics:

Minimum yield strength of the pure weld metal [MPa]:

Tensile strength of the pure weld metal [MPa]:

Minimum elongation at fracture of the pure weld metal [%]:

Temperature for average minimum impact energy of the pure weld metal [°C, J]:

Performance:

≥355MPa (PWHT: 570-620°C / 1h±10min)

≥510MPa (PWHT: 570-620°C / 1h±10min)

≥22% (PWHT: 570-620°C / 1h±10min)

+20°C, ≥47J (PWHT: 570-620°C / 1h±10min)

Classification standard:

EN ISO 17634-A:2015

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For detailed information on hazardous substances, see Safety Data Sheet at: www.elgawelding.com

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:

Rainer Dörner (Authorized signatory), Michael Mayer (Authorized signatory)

[Handwritten signatures]

At Altleiningen, on 08 April 2022