ITW Welding

DECLARATION OF PERFORMANCE

No.: 807

Revision Date: 02.12.2024

1. **Unique identification code of the product-type:** **»MEGAFIL 807 M « (EN ISO 18276-A: T 89 0 Z 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,
Spechttal 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:	Perfomance:	Harmonised Technical Specifications:
Chemical composition of the pure weld metal % (m/m)	*)	EN 13479: 2017; EN ISO 18276-A:2024

*) agreed composition - Two electrodes with the same Z-grading cannot be exchanged with each other!

Noncommittal additional information provided by the manufacturer:

Usable shielding gases: M21

Characteristics:	Perfomance:	Classification standard:
Minimum yield strength of the pure weld metal [MPa]:	≥890MPa (≥690 MPa after PWHT: 680°C/2h)	EN ISO 18276-A:2024
Tensile strength of the pure weld metal [MPa]:	940-1180MPa (770-940MPa after PWHT: 680°C/2h)	EN ISO 18276-A:2024
Minimum elongation at fracture of the pure weld metal [%]:	≥15% (≥17% after PWHT: 680°C/2h)	EN ISO 18276-A:2024
Temperature for average minimum impact energy of the pure weld metal [°C, J]:	0°C, ≥47J	EN ISO 18276-A:2024

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)

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At Altleiningen, on 02 December 2024