

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
MEGAFIL 819 R / C1

Manufacturer
ITW Welding GmbH
Altleiningen, Germany

is found to comply with
DNV GL rules for classification – Ships
DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables

with this approval

Grade	IV Y40MS(H5)
Current	DC(+)
Approved diameter	1,2 mm
Positions	All, except vertical downwards
Remarks	

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2018-07-09**

This Certificate is valid until **2023-07-08**.
DNV GL local station: **Augsburg**

Approval Engineer: **Ludger Hachmöller**



for **DNV GL**
Digitally Signed By: **Wenning, Martin**
Location: **DNV GL Hamburg, Germany**
Signing Date: **09.07.2018**, on behalf of

Thorsten Lohmann
Head of Section

Any significant change in design or construction may render this Certificate invalid.



TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
MEGAFIL 819 R / M21

Manufacturer
ITW Welding GmbH
Altleiningen, Germany

is found to comply with
DNV GL rules for classification – Ships
DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables

with this approval

Grade	V Y46MS(H5)
Current	DC(+)
Approved diameter	1,2 mm
Positions	All, except vertical downwards
Remarks	

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

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