

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Flux Cored Wire/Gas combination**with trade name
MEGAFIL 690 R / M21Manufacturer
ITW Welding GmbH
Altleiningen, Germanyis found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	V Y69MSH5
Current	DC +
Approved diameter	1,2mm
Positions	All, including vertical down
Remarks	Also for fillet welding

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.Issued at **Hamburg** on **2017-02-10**This Certificate is valid until **2020-12-31**.DNV GL local station: **Augsburg**Approval Engineer: **Dietmar Liebich**for **DNV GL**

Thorsten Lohmann
Head of Section

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