

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name
CARBOFIL 1 / M21

Manufacturer
**Erlikon Wire Processing S.A., Panteleimon, N. Santra
Kilkis, Greece**

is found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	III YH15S
Current	DC +
Approved diameter	0,8 - 1,2mm
Positions	All, including vertical-down
Remarks	For Gas metal arc welding (GMAW)

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

This Certificate is valid until **2021-02-15**.

Issued at **Hamburg** on **2016-02-16**

DNV GL local station: **Hamburg Materials & Welding**

Approval Engineer: **Dietmar Liebich**

for **DNV GL**

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Thorsten Lohmann
Head of Section

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