

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW0000350
Revision No:
2

This is to certify:

that the Flux Cored Wire/Gas combination

with trade name
TFW-309L / C1

Manufacturer

Tien Tai Electrode (Kunshan) Co., Ltd.
Kunshan, Jiangsu, China

is found to comply with

DNV rules for classification – Ships

DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	NV 309L
Current	DC(+)
Approved diameter	1.2 mm - 1.6 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding

For wire diameter 1.2 mm:

Impact test at -20°C average value > 40J, intended for welding of duplex stainless steels to carbon or carbon-manganese steels.

Also for fillet and automatic multi-run welding

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

Issued at **Hamburg** on **2025-04-01**

This Certificate is valid until **2027-08-06**.

DNV local unit: **Shanghai**

Approval Engineer: **Dietmar Liebich**

for **DNV**



Digitally Signed By:
Ludger Hachmöller
Location: **DNV Hamburg,**
Germany

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

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purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.