

TYPE APPROVAL CERTIFICATE

This is to certify:

That the **Flux Cored Wire/Flux combination**

with trade name
TOPCORE 742B (2x) / ST 55

Manufacturer
Tien Tai Electrode Co., Ltd.
Tainan, Taiwan

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

with this approval

Grade	V Y69MS(H5)
Current	AC/DC(+)
Approved diameter	2.4 mm
Positions	Butt weld: Flat Fillet weld: Flat and horizontal-vertical
Remarks	Also for fillet welding For twin-wire SAW TOPCORE 742B manufactured by ITW Welding GmbH, Germany

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

Issued at **Hamburg** on **2022-05-23**

This Certificate is valid until **2027-05-22**.

DNV local station: **Kaohsiung**

Approval Engineer: **Ludger Hachmöller**

for **DNV**

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Thorsten Lohmann
Head of Section

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

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