

# 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

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

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

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

for **DNV**

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

DNV local station: **Kaohsiung**

Approval Engineer: **Ludger Hachmöller**

**Thorsten Lohmann**  
**Head of Section**

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

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