



TYPE APPROVAL CERTIFICATE

Certificate No:
TAW000041X
Revision No:
1

This is to certify:

That the **Wire/Flux combination**

with trade name
US-709S / PF-N4

Manufacturer
Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto Pref, Japan

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

with this approval

Grade	- M
Current	DC(+)
Approved diameter	1.6 mm - 2.4 mm
Positions	Flat, Horizontal
Remarks	For welding of NV 1.5Ni up to NV 9Ni. Impact test at -196°C average value > 34 Joule. The min. yield strength of the weld metal 410 N/mm².

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

Issued at **Hamburg** on **2023-09-11**

for **DNV**

This Certificate is valid until **2028-09-04**.

DNV local unit: **Kobe**

Approval Engineer: **Dietmar Liebich**

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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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