



Certificate no.:
TAW000064V

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Wire/Flux combination

with trade name
Weld EM12K / Weld AB-68

Manufacturer
ESAB Welding Products (Jiangsu) Co.,Ltd
Zhangjiagang, 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	IV YTM (H5)
Current	AC / DC(+)
Approved diameter	1.6 mm - 6.4 mm
Positions	Flat
Remarks	Wire: For lot numbers starting with ZG Flux: For lot numbers starting with ZP For single-wire and tandem welding in two-run technique (suffix T) with max. plate thickness 25 mm

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

Issued at **Hamburg** on **2026-02-24**

This Certificate is valid until **2031-02-24**.

DNV local unit: **Jiangyin NB & CMC**

for **DNV**

Approval Engineer: **Ludger Hachmöller**

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

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