

Certificate No: TAW00004TA

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electroslag

with trade name ES-X55E / EF-4 / KL-4

Manufacturer

Kobe Steel, Ltd. Ibaraki Plant Ibaraki, Osaka Pef, Japan

is found to comply with

DNV GL rules for classification – Ships
DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables

with this approval

Grade IV Y40
Current DC(+)
Approved diameter 1.6 mm
Positions vertical up

Remarks Electroslag welding with flux-cored wire ES-X55E and flux EF-4

on backing material KL-4

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

Issued at **Hamburg** on **2020-11-05**

for **DNV GL**

This Certificate is valid until 2025-11-04.

DNV GL local station: Kobe

Approval Engineer: Ludger Hachmöller

Thorsten Lohmann Head of Section

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