



TYPE APPROVAL CERTIFICATE

Certificate No:
TAW00002BU
Revision No:
1

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
Shield-Bright 309L X-Tra / C1

Manufacturer
ESAB Seah Corp.
Changwon-si, Gyeongsangnam-do, Republic of Korea

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	VL 309L MS
Current	DC +
Approved diameter	1,2 - 1,6mm
Positions	All except vertical downwards
Remarks	---

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

Issued at **Hamburg** on **2021-10-13**

for **DNV**

This Certificate is valid until **2026-12-21**.

DNV local station: **Gimhae Station**

Approval Engineer: **Enno Brück**

Thorsten Lohmann
Head of Section

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