



TYPE APPROVAL CERTIFICATE

Certificate No:
TAW00004SY
Revision No:
1

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
Cryo-Shield LNG / 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	- MS
Current	DC(+)
Approved diameter	1.2 mm
Positions	All, except vertical downwards
Remarks	For welding of VL 1.5Ni up to VL 9Ni Impact test at -196°C average value > 34 Joule Also for fillet welding The min. yield strength of the weld metal 420 N/mm²

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

Issued at **Hamburg** on **2021-09-22**

This Certificate is valid until **2025-10-14**.

DNV local station: **Gimhae Station**

Approval Engineer: **Ludger Hachmöller**

for **DNV**

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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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