



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAW00000MF**  
Revision No:  
**2**

## This is to certify:

that the Flux Cored Wire/Gas combination

with trade name

**Shield Bright 308L X-tra / C1**

Manufacturer

**ESAB Seah Corp.**

**Changwon-si, Gyeongsangnam-do, Korea, Republic of**

is found to comply with

**DNV rules for classification – Ships**

**DNV class programme DNV-CP-0069 – Type approval – Welding consumables**

with this approval

|                          |                        |
|--------------------------|------------------------|
| <b>Grade</b>             | <b>NV 308L</b>         |
| <b>Current</b>           | <b>DC(+)</b>           |
| <b>Approved diameter</b> | <b>1.2 mm - 1.6 mm</b> |
| <b>Positions</b>         | <b>Flat</b>            |
| <b>Remarks</b>           |                        |

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

Issued at **Hamburg** on **2025-11-04**

This Certificate is valid until **2030-12-31**.

DNV local unit: **Busan, CMC Korea**

Approval Engineer: **Ludger Hachmöller**

for **DNV**



Digitally Signed By:  
Martin Wenning  
Location: DNV Hamburg,  
Germany

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

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