



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAW00003F1**  
Revision No:  
**1**

## This is to certify:

**That the Flux Cored Wire/Gas combination**

with trade name  
**Shield Bright 309L / C1**

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

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 309L</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1,2 mm - 1,6 mm</b>
<b>Positions</b>	<b>All, incl. vertical downwards</b>
<b>Remarks</b>	<b>---</b>

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

Issued at **Hamburg** on **2022-12-06**

for **DNV**

This Certificate is valid until **2027-12-31**.

DNV local unit: **Gimhae Station**

Approval Engineer: **Dietmar Liebich**

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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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