

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Flux Cored Wire/Gas combination**

with trade name

**Filarc PZ 6138 / M21**

Manufacturer

**ESAB Sp. z o.o.  
Katowice, Poland**

is found to comply with

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

with this approval

|                          |                                       |
|--------------------------|---------------------------------------|
| <b>Grade</b>             | <b>V Y46MS(H5)</b>                    |
| <b>Current</b>           | <b>DC(+)</b>                          |
| <b>Approved diameter</b> | <b>1.2 mm - 1.6 mm</b>                |
| <b>Positions</b>         | <b>All, except vertical downwards</b> |
| <b>Remarks</b>           | <b>Also for fillet welding</b>        |

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2019-11-13**This Certificate is valid until **2024-11-12**.DNV GL local station: **Katowice CMC**for **DNV GL**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.



Form code: WELD 1421a

Revision: 2016-12

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