

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Flux Cored Wire/Gas combination**with trade name  
**K-71TMJ / M21**

Manufacturer

**Kiswel Ltd. (Changwon)**  
**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

|                          |                                      |
|--------------------------|--------------------------------------|
| <b>Grade</b>             | <b>IV YMS(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, incl. 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 **2017-08-08**This Certificate is valid until **2022-08-07**.DNV GL local station: **Gimhae Station**for **DNV GL**Approval Engineer: **Ludger Hachmöller**

---

**Thorsten Lohmann**  
**Head of Section**

---

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

Form code: WELD 1421a

Revision: 2016-12

www.dnvgl.com

Page 1 of 1