

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Flux Cored Wire/Gas combination**with trade name  
**PT-400HM / M21**

Manufacturer

**Pohang Special Welding Co., Ltd.**  
**Pohang, Gyeongsangbuk-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>Current</b>           | <b>DC(+)</b>                                |
| <b>Approved diameter</b> | <b>1.2 mm</b>                               |
| <b>Positions</b>         | <b>All, except vertical downwards</b>       |
| <b>Remarks</b>           | <b>For High Manganese austenitic steels</b> |
|                          | <b>Test temp. -196°C</b>                    |

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2019-11-05**This Certificate is valid until **2024-06-30**.DNV GL local station: **Ulsan**for **DNV GL**Approval Engineer: **Ludger Hachmöller**

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