

TYPE APPROVAL CERTIFICATE

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

with trade name

FAMILIARC™ US-36(x2) / FAMILIARC™ PF-H55E / RF-1

Manufacturer

**Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama Kyoto Pref, Japan**

is found to comply with

DNV GL rules for classification – Ships

with this approval

Grade	II Y(M)
Current	AC/DC(+)
Approved diameter	4.8 mm - 6.4 mm
Positions	Flat
Remarks	For one-side, one- and multi-run, multi-arc welding

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.This Certificate is valid until **2021-06-30**.Issued at **Høvik** on **2016-07-01**DNV GL local station: **Kobe**for **DNV GL**Approval Engineer: **Maxim Bobrov**

Hanne Anita Hjerpetjønn
Head of Section

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