DNV·GL

Certificate No:
TAF00001EA

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class H Door

with type designation(s)
H100S - Single Hinged (H120)

Issued to
Rapp Bomek AS
Bodø, Norway

is found to comply with
DNV GL offshore standards

Application :

Approved for use as an integrated part of fire retarding divisions of class H-120.

Issued at **Høvik** on **2020-07-13**
This Certificate is valid until **2025-07-12**.
DNV GL local station: **Norway Fleet in Service, Mid-North**

Approval Engineer: **Helge Bjørnarå**

for **DNV GL**

Øyvind Hoff
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Product description

H100S - Single Hinged (H120),
is a single leaf door composed of door leaf made from 3 mm steel plates and with an insulating core of total 101 mm ceramic fibre insulation of type Firemaster X607 (density 128 kg/m^3) and total 18 mm calcium silicate insulation of type Supalux (density 875 kg/m^3) applied in between. The insulating core is glued to the steel sheets with adhesive of type Conlit Kleber.

Total door leaf thickness is 119 mm.

Intumescent strips of type Intumex 2 x 20 mm LFSK is mounted all along the edges of the door leaf. The door is fitted with four steel hinges, a three-point latch and toggle stops. The door and frame are fitted with a ceramic gasket of type Silica-FIB.

The door frame is constructed of 5 mm thick steel profiles. The door frame may be welded or bolted (M12 bolts c/c 185 – 249 mm) to the bulkhead.

For further details, see drawings listed under Type Examination documentation.

Application/Limitation

The door is approved for installation in steel bulkheads of class H-120. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Maximum clear opening door: 1100 x 2290 mm (W x H)
Maximum size of door leaf: 1190 x 2390 mm (W x H)

Any surface materials used have to be approved for smoke and toxicity and low flame spread characteristics (IMO 2010 FTP Code parts 2 and 5) when required according to relevant rules.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Certification in accordance with Class Program DNVGL-CP-0338, September 2018.

Test report No. P702023 dated 18 June 2007 from SP, Borås, Sweden.

Dwg. No. RB306997W, Rev-0, (8 sheets) dated 08 March 2007 from manufacturer.

Tests carried out

Tested according to IMO FTP Code Part 3 (IMO Res. A.754(18)) with furnace temperature following the hydrocarbon curve according to ISO 834-3.

Marking of product

The product is to be marked with name of manufacturer, type designation and fire-technical rating.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in DNVGL-CP-0338 Section 4.