

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Class H Door**

with type designation(s)

CLASS H-120 SLIDING DOOR TYPE H-120 S

Issued to

Baggerød AS
HORTEN, 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.**
Maximum size of clear opening: 2200 x 2500 mm (w x h).This Certificate is valid until **2021-06-09**.Issued at **Høvik** on **2016-06-10**DNV GL local station: **Sandefjord**Approval Engineer: **Tessa Biever**for **DNV GL**

Petter Langnes
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

"Class H-120 Sliding Door type H-120 S"

composed of single leaf sliding door with door blade of total thickness 130 mm. Door blade constructed from 2 mm thick steel sheets on both sides of an insulating core of one layer of 25 mm and two layers of 50 mm ceramic fibre mats Firemaster Blanket X-607 of density 96kg/m³.

The 3 mm thick door frame is insulated with Firemaster Blanket X-607 and is bolted to the steel bulkhead using M8x30 bolts/nuts with 150 mm spacing. The door frame may also be welded to the bulkhead.

For further details, see the drawings listed under Type Approval documentation below.

Application/Limitation

Maximum size of door leaf: 2569 x 2856 mm (width x height).

Door/frame/casing to be mounted to exposed side, and the door is approved when the fire hazard area is defined from that side only.

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.

Any surface materials used on door leaf and door frame have to be approved for smoke and toxicity and low flame-spread characteristics (IMO 2010 FTP Code parts 2 and 5 or IMO FTPC Parts 2 and 5 when in compliance with the 2010 FTP Code Ch. 5.2 and 8) when required according to relevant rules.

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

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Basis for approval:

- Test report No. PG 11771 Serial No. 11418 dated 16 January 2008 from DIFT, Copenhagen, Denmark.
- Drawing No. 13462-001 dated 22 March 2007 from NORAC Baggerød.

Tests carried out

Tested according IMO FTPC Part 3 and the HC- temperature curve specified in ISO/TR 834-3 (1994) and EN 1363-2.

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 Class Programme DNVGL-CP-0338, Section 4.