

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Class H Door**with type designation(s)
IDM-SLH-H120 Fire Door

Issued to

InterDam Holding B.V
Ridderkerk, Netherlandsis found to comply with
DNV GL offshore standards**Application :****Approved for use as an integrated part of fire retarding division of class H-120.**Issued at **Høvik** on **2017-10-26**This Certificate is valid until **2022-10-25**.DNV GL local station: **Rotterdam**for **DNV GL**Approval Engineer: **Helge Bjørnarå**

Mårten Schei-Nilsson
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.



Job Id: **262.1-016500-3**
Certificate No: **TAF00000TD**

Product description

"IDM-SLH-H120 Fire Door"

composed of door leaf made from 2 mm galvanized steel plates on both sides and bonded with "Sikaflex 298 FC" glue to a calcium silicate core of thickness 110 mm type "Skamopro 300" with density of 300 kg/m³.

Total thickness of door leaf is 115 mm.

The folded edges of the skins were welded and covered by Promaseal PL intumescent strip at the bottom edge and another strip at other 3 edges. This other strip was shielded by a 1 mm stainless steel cover strip bonded to the intumescent strip and sealed at both side with Mastic Seal Sikaflex 852 FR.

The door is fitted with 3 hinges and with a vision panel Pyrostop H120 with thickness of 78 mm.

The door frame is 4 mm thick and may be screwed with self-tapping/drilling screws $\varnothing$ 5.5 x 38 (spacing between 200 mm) or welded to the bulkhead.

For further details see approved drawing listed under Type Approval documentation.

Application/Limitation

Approved for use as an integrated part of fire retarding divisions of class H-120. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. clear opening: 1420 mm x 2320 mm (w x h)

Max. clear opening of vision panel: 200 mm x 200 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 part 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 and maintenance.

Type Approval documentation

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

Test report No. 250284 dated 18 March 2009 from BRE Global, Watford, UK.

Drawing No. 07-007 (sheets 06-201, 06-211, 06-212, 06-213 Rev. R03, sheet 06-202 Rev. R02) from manufacturer.

Tests carried out

Tested according IMO Res. A.754(18) and the hydrocarbon time-temperature curve specified in 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 Class Programme DNVGL-CP-0338, Section 4.