

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
IDM-DLH-A60 (A60 double hinged door with window)

Issued to

InterDam Holding B.V.
Ridderkerk, Netherlands

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511

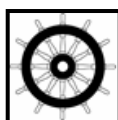
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-05-30**.

Issued at **Høvik** on **2019-05-31**

DNV GL local station:
**Rotterdam, Product Certification
/Verification**

Approval Engineer:
Helge Bjørnå



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Product description

IDM-DLH-A60 (A60 double hinged door with window), consisting of double leaved hinged door with two equal sized door leaves composed of 2 mm thick galvanized steel sheet on both sides and insulated with 70 mm thick calcium silicate core type Skamol SuperPro300 with density of 300 kg/m³.

Door leaf thickness is 75 mm.

The door leaves are attached to the steel frame with 3 hinges on each side. The active door leaf is fitted with a fireproof lock and may also be incorporated with a 27 mm thick fire window type Pyrostop 60-201 in the upper part of the door. Promaseal-pl with 1 mm SS coverstrip is fitted along the edges of each door leaf.

The door frame is 4 mm thick and may be bolted (ø5.5 x 38, maximum spaced 200 mm apart) or welded to the bulkhead.

For further details see approved drawings under Type Examination documentation below.

Application/Limitation

The door is approved for installation in steel bulkheads of class A-60. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. size of each door leaf:	1197 mm x 2495 mm (W x H)
Max. size of clear opening:	2320 mm x 2420 mm (W x H)
Clear opening, window:	400 mm x 400 mm (W x H)

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

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

Type Examination documentation

Test report No. 239017 dated 18 September 2008 from BRE Global, Watford, UK.

Drawing No. 07-007, Rev. F1 (sheet 07-501,07-502, 07-511~520) dated 22 November 2012 from manufacturer.

Tests carried out

Tested according to IMO FTPC part 3 and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire-technical rating, MED Mark of Conformity and USCG number if applicable (see front page).

USCG approval limitations

The approval is limited to fire doors without windows and doors with total window area of 645 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.