

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)
XFD-H-A60-Type 01

Issued to

AS METALLTEKNIKK
BRYNE, Norway

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

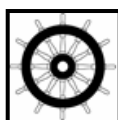
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-10-25**.

Issued at **Høvik** on **2018-10-26**

DNV GL local station:
Stavanger

Approval Engineer:
Grzegorz Wolski



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

XFD-H-A60-Type 01,
composed of a single leaved hinged door with a door blade composed of 1.5 mm stainless steel sheets insulated with two (2) layers of 38 mm FyreWrap LT Blanket with density 128 kg/m³ (Manufactured by Unifrax Lt, UK). The door leaf is reinforced inside with Z profile and L profiles.

Total doorblade thickness 80 mm.

The door is fitted with three hinges and may be bolted or welded to the bulkhead. When bolted the following apply: M8 x 30 bolt/nut per c/c 220 mm along the top and bottom and cc/ 200mm along the vertical sides.

The door frame consist of a 3.0 mm stainless steel profile fitted with a fire resisting silicon gasket (14 x 20 mm D profile (Manufactured by FP FinnProfiles Oy, Finland)). Two types of door frame may be used.

For further details of door and door frames see documentation stated in 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.

Maximum clear opening: 932 mm x 2032 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.

A fire door of marginally larger dimensions than a fire-tested fire door may be individually assessed and accepted by Flag Administration (or Recognized Organization acting on its behalf) for a specific project with the same classification, provided documented compliance with IMO MSC.1/Circ.1319.

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

Type Examination documentation

Assessment Report No PHA10405 dated 9 September 2013 from DIFT (DBI), Copenhagen, Denmark.(Alternative frame including drawings).

Tests carried out

Tested according to with IMO 2010 FTP Code part 3.

The door has been successfully tested for extended test period of 68 minutes.

Marking of product

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