

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007NK

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 AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
Class B-15 door, type N-CCD

Issued to

Norac AS
Arendal, Norway

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2021/1158,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511,
IMO MSC.1/Circ.1319

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

This Certificate is valid until **2027-02-27**.

Issued at **Høvik** on **2022-02-28**

DNV local station:
Norway CMC, West

Approval Engineer:
Tessa Biever



Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
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, and amended by Decision No 1/2019 dated February 22nd, 2019.



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

“Class B-15 door, type N-CCD”

A single leaf hinged steel door composed of two identical door leaves with a minimum airgap of 40 mm in between, which are mounted in one door frame. The door leaves are kept together with a distance profile.

Each door leaf is made of a 30 mm thick insulation core of type ‘Rockwool SeaRox SL 480’ (manufactured by Rockwool AS with density 200 kg/m³) bonded to a 0.6 mm thick galvanized steel sheet on each side by means of an adhesive. A 0.6 mm thick galvanized steel trim list is fitted around the perimeter of the door leaf. Each door leaf has a thickness of 33 mm.

The door leaf is provided with a pull handle and a door lock of type Trio Ving. The door lock case is insulated with 3 layers of insulation material of type ‘Insulfrax’ (manufactured by Unifrax Ltd. with density 270 kg/m³). The door leaves are fitted to the doorframe by means of three hinges.

Min. door thickness (33 mm + 40 mm + 33 mm): 106 mm

The door frame is made of 1.25 mm and 0.9 mm thick galvanized steel and is fixed to the bulkhead with self-drilling screws (3.9 mm x 32 mm) with max. c/c of 600 mm.

For further details, see drawing listed under Type Examination documents below.

Application/Limitation

Approved for use as an integrated part of fire retarding division of class B-15.

Max. clear opening: 800 mm x 2050 mm (W x H)

Max. size of each door leaf: 832 mm x 2060 mm (W x H)

The insulation materials and any surface materials used have to be approved according to the Marine Equipment Directive and bear the MED Mark of Conformity.

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, use and maintenance.

Type Examination documentation

Test report No. 865-20TMU-IMO dated 2021-08-02 from TÜV EESTI OÜ, Maardu, Estonia.

Drawing No. 1210-332 dated 2020-08-11 from manufacturer.

Test carried out

Tested according to IMO 2010 FTP Code part 3.

The door has been successfully tested for extended test period of 41 minutes.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).