

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)

Wall inspection door type 272 (27200-27204) B15

Issued to

Norac AS
Arendal, Norway

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

Regulation **(EU) 2019/1397**,

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

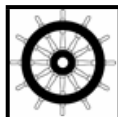
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-11-24**.

Issued at **Høvik** on **2019-11-25**

DNV GL local station:
Kristiansand S

Approval Engineer:
Joanna Kowalczuk



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Wall inspection door type 272 (27200-27204) B15"

Composed of 19 mm Rockwool B250 type Norac with density 250 kg/m³ covered on each side with 0.6 mm steel sheets in door blade, top and bottom field. Vertical frames are composed from 0.9 mm galvanized steel angles. The door blade is attached to the frame on one vertical side with a piano hinge in full height. On the other side a 3-point espagnolett lock. All main interfaces between steel and insulation are glued with adhesive. An expanding gasket of type Fire Seal is mounted along the frame and a similar gasket type Intedans 36 is mounted at the inside of the lining in top and bottom.

The total thickness of door leaf is 20mm.

For further details, see drawing stated under Type Examination documentation below.

Application/Limitation

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

Maximum door leaf size: 885 x 2170 mm (width x height).
Maximum clear opening of door: 800 x 2100 mm (width x height).

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, use and maintenance.

Type Examination documentation

Test report No. 103060.35 dated 13 January 2011 from SP Fire Research AS, Trondheim, Norway.

Tests carried out

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

The door has been successfully tested with extended test period for at least 18 minutes for insulation and 36 minutes for fire integrity in compliance with IMO MSC.1/Circ.1319.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, MED Mark of Conformity and USCG approval number if applicable (see first page).