

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000ATX
Revision no.:
0

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the **Fire doors**

with type designation(s)
KAEDOOR B-15 SD

issued to

KAEFER Schiffsausbau GmbH
Bremen, Germany

is found to comply with the Implementing Regulation (EU) 2024/1975 for
Item no. **MED/3.16** (Row **1 of 1**)
according to the following requirements:
IMO MSC.1/Circ.1511, SOLAS 74 Reg. II-2/9.

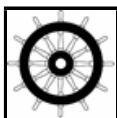
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-07-18**

Expiry date: **2030-07-17**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Helge Bjørnara



Notified Body
no.: **0098**

for **DNV SE**

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Christine Mydlak-Röder
Head of Notified Body

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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

Product description

"KAEDOOR B-15 SD",

is a suspended sliding door leaf with a 11 mm thick glass pane Pyrodur M30-203 (manufactured by Pilkington) fitted in a 40 mm thick door leaf frame, 70 mm wide around the pane, constructed of 20 mm thick Grenamat A (density of 1200 kg/m³, manufactured by Grena), faced on both sides with 10 mm thick Rigadur H10 Marine (density of 1200 kg/m³, manufactured by Saint-Gobain).

Total door leaf thickness is 40 mm.

The door leaf is guided by two hangers running in a guide rail in front of a B-15 panel wall. Both sides and the ceiling area with the guide rails are faced with Grenamat A. At the travel stop end, a Grenamat A stop board with a mounted steel angle section and two Flexpan 200 NG-A intumescent strips (manufactured by SVT) on each side of the steel section's short leg are fitted. A U-profile on the B-15 wall and the steel angle's short leg create a "fire labyrinth" with Flexpan 200 NG-A strips on their short legs.

At the lock end, the door leaf meets a Grenamat A stop board, with Grenamat A panels on each side, forming a U-shaped pocket to prevent fire penetration. The stop board is connected to the B-15 wall with aluminium lugs. An additional Flexpan 200 NG-A strip is located between the two parallel seals at the lock end.

The sliding door drive is fixed to the ceiling and the B-15 wall panel. An aluminium T-profile connects the hangers to an aluminium angle piece, which is then connected to the B-15 wall.

The top door frame fascia board, made of Grenamat A, is split to accommodate the hangers, with opposing Flexpan 200 NG-A strips on the end faces.

For further details, see drawings listed under Type Examination documentation.

Application/Limitation

The door is approved for installation in steel bulkheads of class B-15. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Maximum clear opening door: 1200 mm x 2400 mm (W X H)

Maximum size of door leaf: 1250 mm x 2383 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

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product



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The product is to be marked with name and address of manufacturer, type designation, fire-technical rating, and MED Mark of Conformity.