DNV·GL

Certificate No:
MEDB000018E

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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

This is to certify:

That the "B" Class divisions, fire integrity

with type designation(s)
Vertical B-15 class division (Hatch)

Issued to
Jansen Systembau GmbH & Co. KG
Papenburg/Aschendorf, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.11b and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2.3.4.4. and IMO 2010 FTP Code.

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

This Certificate is valid until **2021-10-11**.

Issued at **Hamburg** on **2016-10-12**

DNV GL local station:
Leer

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
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 European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description

"B-15 Inspection Hatch (restricted application) "

B-15 Division
Consisting of B-15 class panel of 24 mm mineral wool Conrock 15 covered with 0.5 mm steel sheets on exposed and 0.4 mm galvanized steel sheets on unexposed side. The panels are joined to each other with tongue and groove and secured by steel plates with screws. The mineral wool is fixed to the steel sheets with adhesive of approved type; acc.to manufacturer's drawings.

B-15 Hatch
The Hatch (550 X 550 mm) is constructed in the same way. A steel frame with gasket is integrated into the division. The hatch is fixed with two hinges and a turning bold into the frame.

Total thickness of the panels/hatch is 25 mm.

For details, see drawing numbers
BE 9 00 12 000 (A.00), BE 9 00 12 001 (A.01), BE 9 00 12 002 (A.02), BE 9 00 12 003 (A.03) and BE 9 00 12 004 (A.04) (enclosures no. 1 - 5 to the Test Report GV09-6586.3).

Insulation:

Rockwool RPI 15, Mineral fibre- building material
Manufacturer: Rockwool - Marine & Offshore A/S, Danemark
Nominal thickness 24 mm
Nominal density 150 kg/m³

Rockwool Conrock 15, Mineral fiber insulation board
Manufacturer: Deutsche Rockwool, Deutschland
Nominal thickness 15/24 mm
Nominal density 150 kg/m³

Promatect H, cementry silicate-board
Manufacturer: Promat GmbH, Deutschland
Nominal thickness 12 mm
Nominal Density 870 kg/m³

Adhesive:

COSMOPUR 850-1650/850
Manufacturer: Weiss Chemie + Technik GmbH & Co. KG, Deutschland

Merbenit MB55 (VP 1728)
Manufacturer: Merz & Benteli AG, Schweiz

Renofix RT 330-339
Manufacturer: Renotech Oy, Finnland

Sealing:
Sikaflex 291
Manufacturer: Sika, Germany

Application/Limitation

Approved for use as a vertical restricted fire retarding division of class B-15 (restricted application).

The maximum size of the panels is 2420 x 2480 mm (height x width).

The visible side may be also manufactured of stainless steel sheet.

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

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

Type Examination documentation
Test Report GV09-6586.3 of the "Brandversuchshaus Hamburg", 22767 Hamburg (D), dated 09.07.2010.
Test Report PG12044 dated 06.04.2009, Danish Institute of Fire and Security Technology.

Tests carried out
Tested according to IMO FTPC Annex1, Part 3 and Annex 2 in compliance with IMO 2010 FTP Code Ch.8 and IMO MSC/Circ.1120.

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