

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)
B-0 Wall Panel

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,**

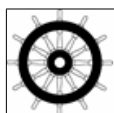
Annex A.1, item No. A.1/3.11b and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2.3.4.4. and IMO 2010 FTP Code.

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

This Certificate is valid until **2021-10-13.**

Issued at **Hamburg** on **2016-10-14**

DNV GL local station:
Leer



for **DNV GL SE**

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Job Id:
Certificate No: **MEDB000018G**

Product description

"B-0 Wall Panel"

B-Class Panel consists of 24 mm mineral wool Conrock 15 (density: 150 kg/m³) covered with 0.5 mm steel sheets on exposed side and 0.4 mm galvanized steel sheets on unexposed side. The panels are joined to each other with tongue and groove and secured by screws. The mineral wool is fixed to the steel sheets with an adhesive of approved type; acc.to manufacturer's drawings.

Exposed side= 0.5 mm or 0.6 mm steel sheet
Unexposed side = 0.4 mm steel sheet

The thickness of the panels is 25 mm resp. 50 mm.

For details, see drawing numbers

BE 9 00 22 000 (A.00), BE 9 00 22 001 (A.01), BE 9 00 22 002 (A.02), BE 9 00 22 003 (A.03),
BE 9 00 12 004 (A.04), BE 9 00 22 005 (A.05) (enclosures no. 1 - 6 to the Test Report GV 10/7259.1)
and enclosure no. 6 to the Assessment no. AS-10-07-Jansen(I.2).

Insulation:

Rockwool Conrock 15, thickness 24 mm (density: 150 kg/m³)
Manufacturer German Rockwool , Germany

Promatect-H (density: 870 kg/m³)
Manufacturer: Promat GmbH, Germany

Adhesive:
ISOLEMFI 3104/14 MONO
Manufacturer: EMFI SA, France

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

Application/Limitation

Approved for use as a vertical fire retarding division of class B-0 (restricted application).

The maximum size of the panels is 3000 x 1000 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 GV 10/7259.1 of the "Brandversuchshaus Hamburg", 22767 Hamburg (D), dated 31.08.2010.
Assessment No. AS-10-07-Jansen(1.2) of the "Brandversuchshaus Hamburg" (Dr.- Ing. Rosenfeld) dated 01.09.2010.

Letter of confirmation AS-10-10-J ansen(1) of the "Brandversuchshaus Hamburg" (Dr.- Ing. Rosenfeld) dated 20.10.2010.

Tests carried out

Tested according to IMO FTPC Annex 1,Part 3 and Annex 2 in compliance with IMO 2010 FTP Code Ch.8 and acc. to IMO MSC/Cir.1120.



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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).