DNV·GL

Certificate No:
MEDB00002Y7

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)
Class B-15 bulkhead - LOLAMAT Wall W25 LF B30

Issued to
KAEFER Schiffsausbau GmbH
Bremen, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2.3.4 & II-2/9 and IMO 2010 FTP Code

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

This Certificate is valid until **2022-08-07**.

Issued at **Hamburg** on **2017-08-08**

DNV GL local station:
Bremerhaven

Approval Engineer:
John Alan Walton

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The Class B-15 bulkhead **LOLAMAT Wall W25 LF B30** consists of panels with approx. 20mm thick SeaRox W25 mineral wool of nominal density 140kg/m^3 faced on both sides with the approved non-combustible board of type LOLAMAT Board (thickness 2.5mm, nominal density 1440kg/m^3).

The edges of panels which are to be joined are grooved. An insert having the same construction as the panels but of lesser thickness is used to connect adjacent panels (groove and tongue connection). The insert fills the grooves along the edges of the panels being joined and is affixed to the panels with an adhesive of approved type.

Total panel thickness is 25mm.

The mineral wool of type SeaRox W25 was manufactured by Rockwool Mineralwolle GmbH. LOLAMAT Board was provided by KAEFER Schiffsausbau GmbH and the adhesive of type COSMO PU-100.200 was provided by Weiss Chemie+Technik GmbH.

The bulkhead as tested consisted of vertical panels 2300mm in height with varying widths (350, 600 and 1200mm). Two laterally arranged panels of height 800mm and width 1550mm were fitted above the vertical panels thus forming a Class A-60 bulkhead of size 3100mm in height and 3000mm in width.

For further details see KAEFER drawing LOLAMAT W25 LF Rev.01.11 which is attached to the test report listed below under Type Examination documentation.

Application/Limitation

Approved for use as a vertical fire retarding division of Class B-15.

Max panel width 1200mm
Max panel height 2300mm

The Class B-15 bulkhead - LOLAMAT Wall W25 LF B30 may consist of vertical panels combined with up to two lateral panels of max width 1550mm and max height 800mm; may include T-joints and may be more than 2300mm and up to a maximum height of 3100mm when constructed and installed as described in KAEFER drawing LOLAMAT W25 LF Rev.01.11 which is attached to the test report listed below under Type Examination documentation.

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 and use

Type Examination documentation

Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code, Annex 1, Part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, MED Mark of Conformity and USCG approval number (see Page 1).