DNV·GL

Certificate No:
MEDB00003U5

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 Fire Doors

with type designation(s)
B-15 Sliding Door

Issued to
R & M International GmbH
Hamburg, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511

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

This Certificate is valid until **2023-04-11**.

Issued at **Hamburg** on **2018-04-12**

DNV GL local station:
Rostock

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 Sliding Door"
Singel leafed sliding door consisting of 37.6 mm rock wool, of type ABM-SR with nominal density 150 kg/m³ produced by Shanghai Advanced Building Material Mineral Wool Factory, with 0.7 mm steel plates on both sides. The steel is glued to the insulation with an adhesive. Total door leaf thickness: 39 mm.

The door leaf is fitted with two rollers of type BRT-160 at both sides of the upper part of the door leaf. The rollers are connected to a slide rail of type t-240 with dimensions (L x W x H): 2800 mm x 47 mm x 58 mm. Both rollers and slide rail is produced by Beijing Taierfu Science & Technology Development Co., Ltd. A bearing is fitted at one side in the bottom half of the door leaf.

The door frame is made of 1.5 mm thick steel plates, and is fastend to the bulkhead with M5 mm screws spaced max. 500 mm apart.

The door leaf may be fitted with a window constructed from 30 mm fireproof glass (6 mm toughend glass + 18 mm fire solution + 6 mm toughened glass) produced by Qinghuangdao Xingyang Special Glass Co., Ltd.

For further details refer to the test report listed under Type Examination documentation below

Application/Limitation

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

Max. size of door leaf (W x H): 2480 mm x 2336 mm.
Max. clear opening (W x H): 2400 mm x 2300 mm.
Max. clear opening of window (W x H): 400 mm x 400mm.

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

Test Report No. FT11270 and FT11271 both dated 17 November 2011 from Far East Fire Testing Centre (FEFTC), Shanghai,China

Tests carried out

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

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).