EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00000YK

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment (MED) as amended by directive (EU) 2015/559. This Certificate is issued by DNV GL SE based on the notification of the German Federal Ministry of Transport, Building and Urban Development.

This is to certify:

That the Fire Doors
with type designation(s)
LMD-SL-LORIS 1 Class A-60 Single Leaf Sliding Fire Door
Issued to

Podszuck GmbH

Kiel, Germany

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/and IMO 2010 FTP Code
Further details of the equipment and conditions for certification are given overleaf.
This Certificate is valid until **2021-08-11**.

Issued at **Hamburg** on **2016-08-12**

DNV GL local station:
Hamburg
Approval Engineer:
Pavel Golyshev

Notified Body
No.: **0098**

for **DNV GL SE**

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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 Council Directive 96/98/EC, as amended.
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.
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

"LMD-SL-LORIS 1" Class A-60 Signle Leaf Sliding Fire Door
Door leaf consists of two parts joined together vertically made of 1.5 mm steel sheets reinforced inside along the top edge with 45 x 10 mm flat steel and along the vertical edges and the bottom edge with 45 x 6 mm flat steel. Insulated with 47 mm Neptune panel consisting of three layers (glass fibre reinforced compound and mineral wool Paroc marine fire slab 150; according to drwgs. nos. P-10-1304.001 rev. A, P-10-1304.002 and P-10-1304.003.dwg.
The door may be fitted with:

- a manual lock
- self-closing hose port with 150 mm square clear opening when door closed and inset into the lower edge of the door, opposite the door hinges (as shown on drwg. No. P-10-2707.010)

Application/Limitation

The door is approved for installation in steel bulkheads of class A-60. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.
Maximum size of clear opening: 2585 x 3887 mm (width x height).
The insulation materials and adhesives and gaskets 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 maintenance.

Type Examination documentation

Test reports nos. PG 12212 dated 27th of August 2010 and PG 12278 dated 15th of November 2010 as well as assessment no. PH 13633 dated 28th of February 2011 issued by Danish Institute of Fire and Security Technology, Hvidovre, Denmark

Tests carried out

Tested according to IMO FTPC 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 of manufacturer, type designation, MED Mark of Conformity and USCG approval number if applicable.