DNV·GL

Certificate No:
MEDB00004K8

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
WR100/WR30 - A60

Issued to
Libra-Plast A/S
HAREID, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
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 **2023-09-25**.

Issued at **Høvik** on **2018-09-26**

DNV GL local station:
Ulsteinvik

Approval Engineer:
Synnøve Bolstad Eri

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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 United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

NORWEGIAN ACCREDITATION PROD 019

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Product description

"WR100/WR30 - A60"
composed of single leafed hinged door with outer and inner steel sheets made of 6 and 1.25 mm respectively. The door is insulated and different type of insulation may be used.

Total thickness of door leaf: 67-77 mm.

The door may be fitted with a circular window type Pilkington Pyrostop 60-201 and 10 mm tempered safety glass, total thickness 37 mm, with clear opening of 250 mm in diameter, in the upper part of the door leaf.

The door can be equipped with a locking system consisting of opening wheels controlling the linkage rod.

The door frame is welded to the bulkhead.

Number of hinges and toggles, type of insulation, insulation around window and other details are given in test reports and drawings mentioned under Type Examination documentation below.

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.

Max. size of door leaf: 969 x 2059 mm (width x height)
Max. size door clear opening: 910 x 2000 mm (width x height)

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.

Note that this is a fire safety certificate which only covers fire technical properties (i.e. not to cover strength evaluations related to watertightness, weathertightness, etc.).

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

Type Examination documentation

Test report No. 103060.26 dated 02 August 2007,
Test report No. 103060.29 dated 14 September 2009 (Alternative insulation),
Assessment Report Nos. 103203.57 dated 15 October 2007 (alternative insulation),
No. 103203.57A dated 18 December 2007 (alternative position of stiffeners),
No. 103203.91 dated 23 July 2008 (use of tempered glass),
No. 103203.94 dated 21 August 2008 (use of locking system consisting of opening wheels),
Assessment Report No.103204.31 dated 14 December 2009 (Hinge and alternative frame).
all from SINTEF, Norwegian Fire Research Laboratory, Norway.

Drawing Nos.
T-1-0169 issue F dated 9 April 2003,
D-3-16750 issue A dated 19 May 2007,
T-3-18548 issue B dated 11 March 2008,
T-1-0179 issue A dated 4 September 2008 and
T-3-16899 issue B dated 5 June 2007
all from Libra-Plast AS.

Libra-Plast Doc. No. LP3258, Issue A.

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 is to be marked with name and address of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG approval if applicable (see page 1).

USCG approval limitations:

The approval is limited to fire doors without windows and doors with total window area of 645 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.