

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
B-15 CRUISER DOOR

Issued to
PANELFA, S.L.
Mos-Puixeros Pontevedra, Spain

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

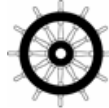
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2020-12-13**.

Issued at **Høvik** on **2016-02-17**

DNV GL local station:
Vigo

Approval Engineer:
Espen Kultorp



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
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 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 AS 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.



Job Id: **344.1-002908-12**
Certificate No: **MEDB00000RK**

Product description

"B-15 Cruiser Door"

composed of single leafed hinged door with door blades composed of 0,7 mm steel plates on each side of insulation core of 35 mm rock wool (Rockwool Termolan) with density 175 kg/m³.

Door frame is made of 1,5 mm steel plate.

The door is to be fitted with three hinges.

The door may be fitted with escape panel and ventilation louver, 480 x 470 mm (w x h).

Total thickness of door blade 35 mm.

Application/Limitation

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

Max. clear door opening: 890 x 1945 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.

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

Type Examination documentation

Test report No. 23019586, dated 7 July 2003 from LGAI, Technological Center SA, Barcelona, Spain

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