

# 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 resisting divisions for high speed craft**

with type designation(s)  
**CLIP 100 A60**

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.1/3.34 and Annex B, Module B in the Directive. SOLAS 74, Regulation X/3, 2000 HSC Code 7 and IMO 2010 FTP Code**

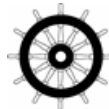
Further details of the equipment and conditions for certification are given overleaf.

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**



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: **344.1-002908-13**  
Certificate No: **MEDB00000RM**

## **Product description**

"Clip 100 A60"

composed of panels made of 0,8 mm steel sheets insulated with 100 mm rockwool with density 145 kg/m<sup>3</sup>. The insulations are glued on the steel sheets. The panels are fitted into each other by means as per drawings P01/04 to P05/04 (see test report).

## **Application/Limitation**

Approved for use as a non-load bearing fire resisting bulkhead 60" for high speed light crafts.

Fire against either side.

Max panel size: 2450 x 1190 x 102 mm (H x W x T).

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.

Any surface materials used have to be approved for smoke and toxicity and low flame spread characteristics (IMO 2010 FTP Code Annex 1 parts 2 and 5) when required according to relevant rules.

The use of this product shall be limited to applications specifically approved by the Administration in question, see IMO 2010 FTP Code part 3, Annex 1.6. The construction shall in any case not be used as part of main fire zone bulkheads and stairways enclosures on passenger ships (see also IMO MSC/Circ.1005).

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

## **Type Examination documentation**

Test report No. 4018863, dated 30 June 2004 from Certification Technological Center, Barcelona, Spain.

## **Tests carried out**

Tested according to IMO FTFC Part 3 and in compliance with IMO 2010 FTP Code Ch. 8 and IMO 2010 FTP Code part 11.

## **Marking of product**

The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating and Mark of Conformity (see page 1).