



# DET NORSKE VERITAS

## EC TYPE-EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2008/67/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. **MED-B-5774**

This is to certify that the  
**Fire Doors**

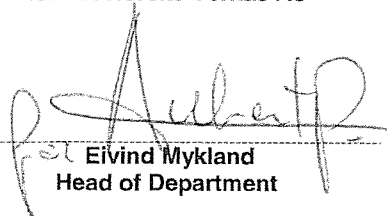
with type designation(s)  
**WR100/WR30 - A60**

Manufacturer  
**LIBRA PLAST A/S**  
HAREID, Norway

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 FTP Code**

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

Høvik, 2010-02-24  
for Det Norske Veritas AS

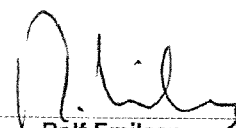
  
Eivind Mykland  
Head of Department



Notified Body No.: **0575**

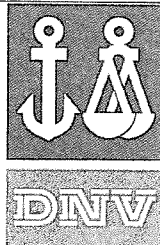
DNV local office:  
**DNV Ulsteinvik**

This certificate is valid until  
**2013-09-18**

  
Rolf Emilsen  
Surveyor



Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.  
The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.



Certificate No.: MED-B-5774  
Item No.: A.1/3.16  
Job Id.: 344.1-000480-6

### 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/Limitations

Approved for use as an integrated part of fire retarding divisions of class A-60.

Max.clear door opening: 910 x 2000 mm (width x height).

The insulation material and any surface materials used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

The door is also approved as water- and weather tight, see separate DNV Type Approval certificates

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, 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), No. 103060.29 dated 14 September 2009 (Alternative insulation) and 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.

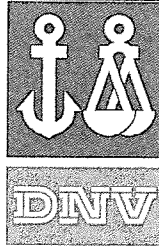
Libra-Plast Doc. No. LP3258, Issue A

Tested according to IMO FTPC Part 3 (IMO Res. A.754(18)).

### Marking of product


The product is to be marked with name of manufacturer, type designation, fire-technical rating, Mark of Conformity and the USCG approval number if applicable (see page 3).





Certificate No.: MED-B-5774  
Item No.: A.1/3.16  
Job Id.: 344.1-000480-6

### Mark of conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

- Module D: The quality system for production and testing shall be approved by the Notified Body.
- Module E: The quality system for inspection and testing shall be approved by the Notified Body.
- Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

### USCG Approval

An 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.





# DET NORSKE VERITAS

## QS - CERTIFICATE OF ASSESSMENT - EC

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2002/75/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

**CERTIFICATE NO. MED-D-1110**

*This Certificate consists of 2 pages*

*This is to certify that the quality system for the*  
**Fire Doors**  
*with type designation(s) as specified in the appendix to this certificate*

*Manufacturer*

**Libra-Plast A/S**  
HAREID, Norway

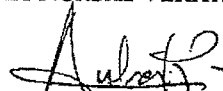
*is found to comply with the requirements applicable to it.*

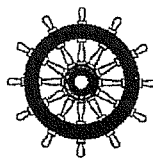
The quality system for the product, defined in Annex A.1, Item No. A.1/3.16, has been assessed with respect to the procedure of conformity assessment described in Annex B, Module D in the directive.

**Limitations:**

Modifications made to the quality system shall immediately be reported to Det Norske Veritas AS in order to examine whether this certificate remains valid. Annual periodical audits will be held to verify the validity of the certificate.

*Place and date*  
Høvik, 2008-12-23  
for DET NORSKE VERITAS AS

  
for Kristen Ulveseter  
Manager, MTPN0370  
Department Systems & Components



Notified Body No.: 0575

DNV local office:  
DNV Ulsteinvik



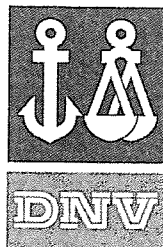
*This Certificate is valid until*  
2013-12-23

  
Amir Dzaferi  
Surveyor



*Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.*

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: **MED-D-1110**  
Job Id.: 344.1-000480-5/9  
344.1-001538-1  
Item No.: A.1/3.16

### APPENDIX, REV. NO. 3

#### QS - Certificate of Assessment - EC, Certificate No. MED-D-1110

<i>Type designation</i>	<i>EC Type-Ex. Cert. No.</i>	<i>Expiry date</i>	<i>QS Assessment Report dated</i>	<i>USCG approval number</i>
A0 WR100/WR30	MED-B-4904	2014-06-30	2010-04-13	164.136/EC0575/4904
WR100/WR30 - A60	MED-B-5774	2013-09-18	2010-04-13	164.136/EC0575/5774

The products can be also manufactured at premises of:

Sia Libra Plast  
Sandes, 3801 Saldus  
Latvia

The manufacturer complies with the Council Directive 96/98/EC on Marine Equipment and is allowed to affix the Mark of Conformity followed by the DNV identification number 0575 and the two last digits of the number of the year in which the product is produced.

Example:  0575/10

The manufacturer shall issue a Declaration of Conformity for each product with reference to the EC Type-Examination Certificate and this QS - Certificate of Assessment - EC.

#### USCG approval and marking

Based on 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 manufacturer is allowed to affix the U.S. Coast Guard approval number mentioned in the table above.

*Place and date*  
Høvik, 2010-09-01

  
Amir Dzaferi  
Surveyor

