



# 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 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-B-3103**

This Certificate consists of 3 pages

*This is to certify that the product*

**Fire Doors**

*with the type designation(s)*

**LOIPART FIRE DOOR, MODEL B**

*Manufactured by*

**Loipart Oy**  
Eura, Finland

*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-2/9.4.1.1.2, II-2/9.4.1.2.1 & II-2/9.4.2 and IMO FTP Code

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

*Place and date*

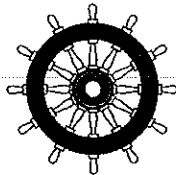
Høvik, 2005-05-09

for DET NORSKE VERITAS AS

Tore Morten Wetterhus

Manager, MTPNO370

Department Systems & Components



Notified Body No. 0575

DNV local office:  
DNV Turku / Åbo

*This Certificate is valid until*

2010-05-09

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.*

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-B-3103  
Case No.: EC-FP-136  
File No.: A.1/3.16

## Product description

### "LOIPART FIRE DOOR, MODEL B"

consisting of single leaf sliding door with door blade composed of a body of 5 mm steel, 1.25 mm stainless steel sheets, and an insulating core of 3x50 mm Paroc Fire Slab 110, density 110 kg/m<sup>3</sup>, 25 mm Carbowool Blanket, density 96 kg/m<sup>3</sup> and Soda Water Glass 1000 g/m<sup>2</sup>. Total door leaf thickness 152.5 mm. Gasket and heating wire mounted around perimeter of door leaf. Frame made from 4 mm stainless steel.

Frame may be bolted or welded to the bulkhead, covering material of seal may be Fabric A200 K 2/1 loomstate, threshold height may vary and the L-profile (100 x 100 at the top and vertical edges) may be on either side of the bulkhead all according to Statement No. RTE2228/01.

## Applications/Limitations

Approved for use as an integrated part of fire retarding division of class A-60. Max. size of clear opening: 1600 mm x 2000 mm (W x H).

The insulation materials (Paroc Slab 110, Carbowool Blanket and Soda Water Glass) and surface materials used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

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

## Type Approval documentation

Test Report No. RTE288/01 and RTE294/01 dated 19 February 2001 and Statement No. RTE2228/01 dated 19 June 2001 all from VTT Building Technology, Finland.

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

## Marking of product


The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating and MED Mark of Conformity (see page 3).





Cert. No.: MED-B-3103  
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### 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.

END OF CERTIFICATE






Cert. No.: **MED-E-21**  
Case No.: **EC-FP-136**  
File No.: **A.1/3.16**

## APPENDIX, REV. NO. 2

### QS - Certificate of Assessment – EC, Certificate No. MED-E-21

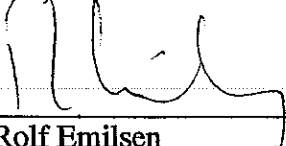
<i>Product designation</i>	<i>EC Type-Examination Cert. No.</i>	<i>MED-B Expiry date:</i>	<i>DNV QS Assessment Report dated</i>
Loipart Fire Door, Model A	MED-B-1313	2005-11-10	25 April 2002
Loipart Fire Door, Model B	MED-B-3103	2010-05-09	25 April 2002
Loipart Fire Door, Model C	MED-B-1315	2006-06-29	25 April 2002

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:  0575/05

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.

*Place and date*  
Høyvik, 2005-04-26

  
Rolf Emilsen  
Surveyor





LOIPART OY  
Anttilantie 16  
27510 EURA

DET NORSKE VERITAS OY AB  
Maritime Nordic and Baltic  
Countries  
Turku, Maritime Services  
Veistämönaukio 1-3  
FIN-20100 TURKU  
Finland  
Tel: +358 2 273 7200  
Fax: +358 2 251 7310  
<http://www.dnv.com>  
FI 09144481

Att. Esa Ettala

Your ref.:

Our ref.:  
MNBFI220AMN050519-1

Date:  
2005-05-19

### RENEWAL OF TYPE APPROVAL CERTIFICATE

Enclosed please find a copy of letter MTPNO374/REM/262-J-45019 dated 2005-05-09 together with the following certificate:

### EC TYPE-EXAMINATION CERTIFICATE NO. MED-B-3103

We also enclose our invoice No. MNBFI220 11708 amounting to € 1174,32.

Yours faithfully  
for DET NORSKE VERITAS OY AB

  
Tapio Tuominen  
District Manager

  
Rami Nurminen

Encls.



To:	RIN	
13. 05. 2005		
Checked:	A	File: 387

Det Norske Veritas  
WTC-Building, Veistamonaukio 1-3  
20100 Turku  
Finland

Att: Nurminen, Rami

DET NORSKE VERITAS AS  
Maritime Technology and  
Production Centre  
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Veritasveien 1  
1322 Høvik  
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Fax: +47 67 57 99 11  
<http://www.dnv.com>  
Org. No: NO 945 748 931 MVA

Your ref.:

Our ref.:  
MTPNO374/REM/262-J-45019

Date:  
2005-05-09

### Loipart / MED Approval

Dear Sirs,

Reference is made to email from DNV Turku dated 2005-05-02.

Please find the following for delivering to the customer:

- EC Type Examination Certificate MED-B-3103, replacing MED-B-1314
- Appendix 2 of QS – Certificate of Assessment – EC. MED-E-21.

The manufacturer shall affix the mark of conformity (the wheel) to each product and draw up a written declaration of conformity at the end of the production phase.

Yours faithfully  
for DET NORSKE VERITAS AS

Kristin Urdahl  
Head of Section  
Fire Safety

Rolf Emilsen  
Contact person