



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-3523

This Certificate consists of 3 pages

This is to certify that the product

Fire Doors

with the type designation(s)

Loipart Fire Door - Model A

Manufactured by

Loipart Oy

Eura, Finland

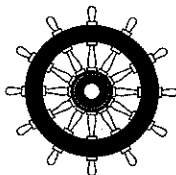
is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/9.4.1.1.2, II-2/9.4.1.2.1 & II-2/9.4.2 and IMO FTP Code

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

Place and date

Høvik, 2006-02-17

for DET NORSKE VERITAS AS



Notified Body No. 0575

This Certificate is valid until

2011-02-17



Tore Morten Wetterhus

Manager, MTPNO370

Department Systems & Components

Håkon Laskemoen

Surveyor

DNV local office:

DNV Turku / Åbo



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-3523
Case No.: 344.1-000338-1
File No.: A.1/3.16

Product description

“Loipart Fire Door - Model A”

consisting of single leaf hinged door with door blade composed of 2 mm stainless steel sheet and an insulating core of 50 mm + 40 mm Paroc Fire Slab 110, density 110 kg/m³ and 25 mm Carbowool Blanket, density 96 kg/m³. Total door leaf thickness 120 mm. Gasket and heating wire mounted around perimeter of door leaf. Frame made from 4 mm stainless steel.

The frame may be bolted or welded to the bulkhead, threshold height may vary, thickness of hinge support may be 4 mm, covering material of seal may be Fabric A200 K 2/1 loomstate and frame corner may be made of one bended part all according to Statement No. RTE2227/01.

Acceptable changes on locking device, axle-box of the hinge and horizontal bracket of the hinge are given in Statement No. RTE2227/01.

Applications/Limitations

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

Max. size of clear opening: 1400 mm x 2000 mm (W x H).

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

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

Type Approval documentation

Test Report No. RTE2406/00 dated 22 September 2000 and Statement No. RTE2227/01 dated 19 June 2001 both 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-3523
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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

