



# 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-3061**

This Certificate consists of 3 pages

*This is to certify that the product*

**Fire Doors**

*with the type designation(s)*

**A-60 Marine Fire Door**

*Manufactured by*

**Rijecki Akusticki Inzinjering (RAI) d.o.o.**  
RIJEKA, Croatia

*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*

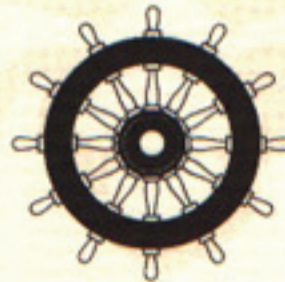
Høvik, 2005-12-05

for DET NORSKE VERITAS AS

Tore Morten Wetterhus

Manager, MTPNO370

Department Systems & Components



Notified Body No. 0575

*This Certificate is valid until*

2010-12-05



Helge Bjørnarå

Surveyor

*DNV local office:*

DNV Rijeka



*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-3061  
Case No.: EC-FP-309  
File No.: A.1/3.16

## Product description

### "A-60 MARINE FIRE DOOR"

is composed of single leaf hinged door, with door leaf made of 1.5 mm steel sheet on each side of an insulating core of 3 layers of 20 mm mineral wool "NOBASIL SH" of density 150 kg/m<sup>3</sup>. The frame is to be fastened to the bulkhead by welding. The frame is fitted with intumescent tape 25 x 2.5 mm and a rubber seal. The door is fitted with three hinges. Max. size of clear opening is 800 x 2000 (W x H). Total door leaf thickness is 64 mm.

## Applications/Limitations

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

The insulation used (NOBASIL SH) and any 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, use and maintenance.

## Type Examination documentation

Test report No. P 721/99-530-4 dated 30 August 1999 from ZAG, Ljubljana, Slovenija and No. 1030.4IMO100/05 dated 25 October 2005 from LAPI, Italy (low flame-spread gasket).

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 and the Mark of Conformity (see page 3).








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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

