



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-3056

This Certificate consists of 2 pages

This is to certify that the product
"B" Class divisions, fire integrity

with the type designation(s)

RAI - ATF - 50

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.1/3.11b and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2.3.4.4. and IMO FTP Code.

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

Place and date

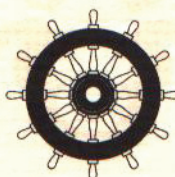
Høvik, 2005-05-04

for DET NORSKE VERITAS AS

Tore Morten Wetterhus

Manager, MTPNO370

Department Systems & Components



Notified Body No. 0575

This Certificate is valid until

2010-05-04

Helge Bjørnara
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-3056
Case No.: EC-FP-309
File No.: A1/3.11B

Product description

“RAI - ATF - 50”

consisting of 780 mm wide panels, made from 48 mm mineral wool of type “NOBASIL SH” of density 150 kg/m³, covered on both sides with 0.7 mm galvanised steel sheets bonded to the mineral wool with an adhesive of type "Mitopur 402 SU". The panel joints are made of steel profiles and the joints of the panels are reinforced by replacing the mineral wool in a distance of 50 mm on both sides of the joint with a mineral wool of same type with density of 200 kg/m³. Total bulkhead panel thickness is 50 mm.

Application/Limitation

Approved for use as a vertical fire retarding division of class B-15.

The insulation (NOBASIL SH) and any surface material 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 721/99-530-1 dated 7 May 1999 from ZAG, Ljubljana, Slovenia.

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 Mark of Conformity (see below).

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

