



# DET NORSKE VERITAS

## EC TYPE-EXAMINATION CERTIFICATE

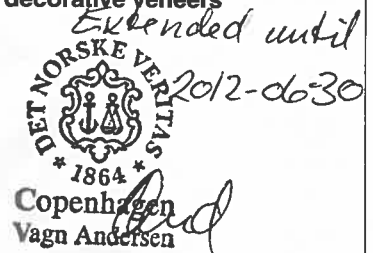
Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2009/26/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. **MED-B-6159**

This is to certify that the  
**Surface materials and floor coverings with low flame-spread characteristics: decorative veneers**

with type designation(s)  
**Rockwool - Marine & Offshore A/S (see page two)**

Manufacturer  
**Rockwool - Marine & Offshore A/S**  
**Hedehusene, Denmark**



is found to comply with the requirements in the following Regulations/Standards:  
Annex A.1, item No. A.1/3.18a and Annex B, Module B in the Directive. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6, II-2/9 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO FTP Code

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

Høvik, 2010-05-06  
for Det Norske Veritas AS

**Eivind Mykland**  
Head of Department



Notified Body No.: **0575**

DNV local office:  
**Copenhagen**

This Certificate is valid until  
**2011-11-20**

**Marcus Larsson**  
Surveyor



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-6159  
Item No.: A1/3.18a  
Job Id.: 344.1-000237-16

### Product description

"Rockwool Marine Batts 27-55"  
"Rockwool Marine Wired Mat 35-135"  
"Rockwool Marine Firebatts 100-150"  
"Rockwool Marine Slabs 55-300"  
"Rockwool Marine Lamella Mat 32-45"  
"Rockwool Pipe Sections"  
"Rockwool Marine Acoustic Foil"

#### Alternative trade names;

As according to the given Non-combustibility certificates.

The base insulation material consisting of stone wool of different density tested and approved non-combustible types.

The insulation is faced with either reinforced aluminium foil with glass net, or aluminium foil.

The aluminium foil is glued to the insulation with use of a polyethylene adhesive or stitched to the insulation in the case of Rockwool Marine Wired Mat.

Alternatively the insulation may be faced with glass cloth (200 – 400 gr/m<sup>2</sup>) glued to the insulation with the use of adhesive type aqueous PVDC latex (approx 80 gr/m<sup>2</sup>) or stitched to the insulation in case of Rockwool Marine Wired Mat.

Glass vlies (approx 60 gr/m<sup>2</sup>) applied to the insulation by resin binder.

"Rockwool Marine Acoustic Foil" consist of Mylar® film, wrapped around mineral insulation covered by perforated 1 mm steel plate.

### Applications/Limitations

Low flame- spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for application according to IMO MSC/Circ. 1004.

Manufactured at the premises of Rockwool A/S as given in the corresponding Module D, E or F certificate

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

### Type Approval documentation

Test Report F10449\_1997-12-12\_DIFT\_ALU\_FOIL\_130  
Test Report PF10798a\_1999-10-25\_DANAK\_DNV\_ALU\_32  
Test Report PF10798b\_1999-10-25\_DANAK\_DNV\_ALU\_32  
Test Report PF10798c\_1999-10-25\_DANAK\_DNV\_ALU\_110  
Test Report PF10798d\_1999-10-25\_DANAK\_DNV\_ALU\_PIPE  
Test Report PF11113A\_01-09-25\_DANAK\_GLASS CLOTH\_45  
Test Report PF11113B\_01-09-25\_DANAK\_GLASS CLOTH\_130  
Test Report PF11191A\_01-12-10\_DANAK\_GLASS CLOTH\_45  
Test Report PF11191B\_01-12-10\_DANAK\_GLASS CLOTH\_130  
Test Report 00.180\_2000-08-30\_SINTEF\_ALU\_BP\_110  
Test Report 11250A\_2004-05-17\_GENT\_95gm2 reinf alu\_165 kgm3  
Test Report 11250B\_2004-05-17\_GENT\_60gm2 glass vlies in binder\_165 kgm3  
Test Report PF12473a\_2006-10-26\_DIFT\_Glass Cloth\_45  
Test Report PF12473b\_2006-10-26\_DIFT\_Glass Cloth\_150  
Test Report PF13270\_2010-02-25\_DANAK

Tested according to IMO FTPC Part 5 (IMO Res. A. 653(16)) and annex 2 item 2.2.






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### Marking of product

The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG marking (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.

### 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" signed 17 October 2005.

