



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-4568

This Certificate consists of 3 pages

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

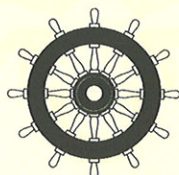
with type designation(s)
maxit Marine dB A-60 Floor

Manufacturer
maxit as
OSLO, Norway

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.11a and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/3.2.5 and IMO FTP Code.

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

Place and date
Høvik, 2007-12-10
for **DET NORSKE VERITAS AS**



This Certificate is valid until
2011-03-01

Kristen Ulveseter
Manager, MTPNO370
Department Systems & Components

Notified Body No. 0575

Rolf Emilsen
Surveyor

DNV local office:
DNV Oslo



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-4568
Job Id.: 344.1-000284-7
Item No.: A1/3.11A

Product description

“maxit Marine dB A-60 Floor”

composed of the following:

1. layer: 1-1,5 mm visco-elastic layer (ACM or DG-U1 green from Swedac).
2. layer: 15 mm maxit floor 4660 Marine Elastic levelling compound (cement based, fibre-reinforced levelling compound with nominal density of 1,9 kg/m²/mm).
3. layer: 50 mm Rockwool Marine Slab 140 with nominal density of 140 kg/m³
4. layer: “Interglas” woven glass fabric with weight 100-3000 g/m², or equivalent non-combustible product.
5. layer: Steel reinforcement net Ø 5mm, grid 150 x 150 mm.
6. top layer: 25 mm maxit floor 4665 Marine Fire, cement based levelling compound with nominal density of 1,9 kg/ m²/mm.

Applications/Limitations

Approved for use as a fire retarding division of class A-60.

The insulation used has 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 Approval documentation

Test report No. 103020.64 dated 20 December 2005 from Norwegian Fire Research Laboratory (SINTEF) Trondheim, Norway.

Test reports Nos. F700197, F700197A dated 8 March 2007 and No. F714865 dated 4 October 2007 from SP, Sweden (glue).

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, Mark of Conformity and USCG marking (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.

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.

END OF CERTIFICATE

