



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 2008/67/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-5571**

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

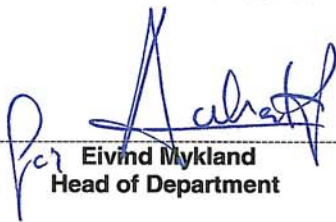
with type designation(s)
PlaneMix80 - PlaneMix10

Manufacturer
Alfix A/S
Kolding, Denmark

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 equipment and conditions for certification are given overleaf.

Høvik, 2009-11-11
for Det Norske Veritas AS

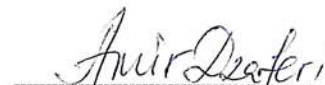

Eivind Mykland
Head of Department



Notified Body No.: **0575**

DNV local office:
DNV Fredericia

This certificate is valid until
2014-11-11


Amir Dzaferi
Surveyor



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.



Certificate No.: MED-B-5571
Item No.: A1/3.11a
Job Id.: 344.1-002031-1

Product description

"PlaneMix80 - PlaneMix10"

Floating Construction on steel with firebatts, class A 60 Deck. (Alfix Marineinfo nr. 1.001)

composed of a steel deck insulated above as follows:

1. layer of 30 mm rock wool of type Rockwool Marine Slab 200 (density 200 kg/m³),
2. layer of 40 mm fast-setting screeding mortar of type ALFIX PlaneMix 80 (density 1800 kg/m³),
3. layer primer of type PlaneMixPrimer (with consumption of 0.05 l/m²) and
4. layer of 3 mm self-levelling smoothing compound for floors of type PlaneMix 10 (density 1900 kg/m³).

Total thickness of floating floor: 73 mm.

Application/Limitation

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

The insulation material and 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 and maintenance.

Type Examination documentation

Test Report No. PG12034 Serial No.: 12042 dated 2 June 2009, from Danish Institute of Fire and Security Technology, Hvidovre Denmark.

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, Mark of Conformity and USCG approval number (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 shall 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 of Certificate 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 equipment" signed 17 October 2005.

