



BG Verkehr
 Ship Safety Division
 Prüf- und Zertifizierungsstelle
 im BG-PRÜFZERT
 European notified body
 Identification number 0736

Deutsche Gesetzliche
 Unfallversicherung



EC-Type Examination (Module B) Certificate

Certificate No. **102.342**

U.S. Coast Guard Approval No. **164.110/EC0736/102.342**

Name and address of the manufacturer: R&M Marine Products GmbH
 Petridamm 11c
 18146 Rostock (Germany)

Date of issue: **03.06.2010**

Annex A.1 Item No & Item designation: **A.1/3.11 b - "B" Class divisions, fire integrity**

Product designation: Horizontal B-15 class division

Product Type: **Sandwich ceiling SD30NFW**

Intended purpose: "B" class division according to SOLAS 74/88 Reg. II-2/9 and II-2/3.4, as amended.

Testing based on (Specific standard): IMO Resolution MSC.61(67)-(FTP-Code), Annex 1, Part 3 and Annex 2
 IMO MSC/Circ. 1120

Remarks: see page 2 and 3

The type tested was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2009/26/EC subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D, E or F** of this directive.

Expiry date: **30.06.2015**

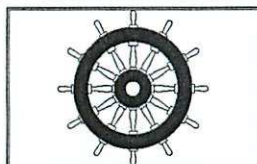


The approval of the installed equipment will be in force beyond the validity date until it is revoked!

Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



xxxx/yy

Note 4: "Wheelmark" Format

YY Last two digits of year mark affixed.

XXXX Notified Body number undertaking surveillance module

Technical data/approved drawings and additional conditions and remarks:

1.
This EC-Type Examination Certificate is based on the following document:
- Test Report PG 12166 of the "Danish Institute of Fire and Security Technology", 2650 Hvidovre (DK), dated 19.05.2010.
2.
This EC-Type Examination Certificate provides that the assembly of the horizontal B-15 division coincides in all items with the construction as described in number 4 and 5 and the enclosures to the Test Report PG 12166.
3.
All measurements of the horizontal B-15 division must be in accordance with the drawing numbers SD30NFW_FIRETEST_12.2009_01-3, SD30NFW_FIRETEST_12.2009_02-3, SD30NFW_FIRETEST_12.2009_03-3 and the material schedule sandwich ceiling SD30NFW (enclosures to the Test Report PG 12166). They can only be changed in compliance with the Prüf- und Zertifizierungsstelle of Ship Safety Division.
4.
The maximum size of the panels are 2410 x 450 x 30 mm (length x width x thickness).
5.
As insulation material has to be used:
- Rockwool Marine Slab 150, thickness 28,5 mm (density: 150 kg/m³)
EC Type-Examination Certificate No. MED-B-5718, issued by DET NORSKE VERITAS.
- Stitched e-glass mat, thickness 10 mm (density: 110 kg/m³)
EC-Type Examination No. 114.448, issued by See-Berufsgenossenschaft.
6.
Non combustible insulation material as per Test Report PG 12166 may be replaced by a different one, provided that its composition and physical properties (e.g. heat conductivity, density and thickness of the material) correspond with the tested material and an approval as per directive 96/98, as amended has been obtained.
This has to be proved to Ship Safety Division beforehand in written form.
7.
As adhesive has to be used:
- ICEMA R 145/31 S (60 g/m²)
EC-Type Examination Certificate No. 118.180, issued by See-Berufsgenossenschaft.
8.
Surface materials which will be used must be not readily ignitable and approved by an European notified body.
9.
The equipment shall be marked in accordance with article 11 of the Council Directive 96/98 EC of 20 December 1996 on Marine Equipment as amended.

10.

This EC-Type Examination Certificate may only be published or transmitted unabridged.

Note:

This product has been assigned a U.S. Coast Guard approval no. (USCG number) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

The U.S. Coast Guard approval number is:

164.110/EC0736/102.342

The equipment manufacturer has to be mark the equipment with this U.S. Coast Guard approval number.