

EC Certificate

Type Examination (Module B)



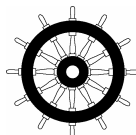
This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No.	46 680 - 12 HH		
Applicant	Luxpanel International GmbH Werner-von-Siemens-Straße 25 54634 Bitburg, GERMANY		
Manufacturer	Luxpanel International GmbH Werner-von-Siemens-Straße 25 54634 Bitburg, GERMANY		
Product Description	low flame-spread material		
Product Name	aluminium honeycomb with aluminium sheets adhered to each side, type "Luxboard A"		
Trade Name	"Luxboard A"		
Specified Standards	- IMO Res.MSC.307(88), clause 8, - IMO Res.MSC.61(67), Annex 1, Part 5 and 2 and Annex 2, - IMO Res.A.653(16), - IMO MSC/Circ. 1120.		
Related Directive	2011/75/EU		
Equipment Section	Fire protection		
Annex A.1 Item No.	A.1/3.18a		
USCG-Modul-B No.	164.112 / EC 0098	Unique Identifier	4668012
Date of Re-issue	2012-10-25		
Expiry Date	2017-09-17		

Germanischer Lloyd

Notified Body No.: 0098



Nils Wegener

Certificate No: 46 680 - 12 HH

Date of Re-issue: 2012-10-25

Schedule of Approval

Approval Documentation

Test report no.: 20692970 dated 2012-04-05 and 20628609a to 20628609d issued by DMT GmbH & Co. KG, Dortmund, Germany.

(GL ref.-no.: 12-084565)

Technical Data

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aluminium class C-wall, consisting of aluminium honeycomb (thickness between: 5 mm to 29 mm) covered on both side with aluminium sheets (thickness between 0.5 mm to 1 mm), sheets are glued with approved adhesive film "Cellano 22.111" (thickness: < 1 mm).

Remarks:

The product can be considered as non-combustible acc. to IMO FTP Code, Annex 2.
As per SOLAS II-2, Reg. 3.10 it can be regarded as a "C" class division.

Additional surface materials have to be approved for low flame-spread characteristics and smoke and toxicity (IMO FTP Code, Annex 1, Part 2 and 5).

work instructions:

execution on board according to makers work instruction.

Marking:

46680-12 HH

Remarks

see page 2, abstract "Technical Data"

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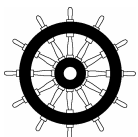
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Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

This product has been assigned a U.S. Coast Guard Module B number 164.112 / EC 0098 to note type approval to Module B only as it pertains to obtaining US 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 mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.

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Limitations on the acceptance or use of the product

None.

Comment to USCG Approval

interior finish