



European notified body
Identification number 0736



DGUV Test

Prüf- und Zertifizierungsstelle
BG Verkehr
Dienststelle Schiffssicherheit

EC-Type Examination (Module B) Certificate

Certificate No. **118.391**

U.S. Coast Guard Approval No. **164.112/EC0736/118.391**

Name and address of the manufacturer: 3A Composites GmbH
Alusingen Platz 1
78224 Singen (Germany)

Date of issue: **17.02.2016**

Annex A.1 Item No & Item designation: **A.1/3.18 a – Surface materials and floor coverings with low flame-spread characteristics (decorative veneers)**

Product designation: Surface material with low flame-spread characteristics (aluminium composite panel)

Product Type: **ALUCORE® base**

Intended purpose: Surface material for sea going vessels complying with SOLAS 74/88 Reg. II-2/3, II-2/5, II-2/6 and II-2/9, as amended, IMO Resolution MSC.36(63)-(1994 HSC-Code) 7, IMO Resolution MSC.97(73)-(2000 HSC-Code) 7, IMO MSC/Circ. 1120.

Testing based on (Specific standard): IMO Resolution MSC.307 (88)-(FTP-Code 2010) Annex 1, Part 2*, Part 5
*) = not applicable

Remarks: see overleaf

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 2014/93/EU 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: **16.02.2021**



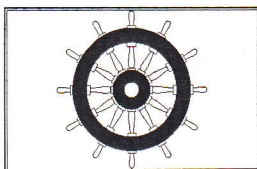
Signature (Niehus)

Installed equipment stays approved 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 No. 20151650 issued by "MPA Dresden GmbH", 09599 Freiberg (DE), on 09.02.2016.

2.

The material is considered to comply with the requirements of the FTP-Code, Annex 1, Part 2 (smoke and toxicity test) without further testing.

3.

Thickness (cover sheets + aluminium honeycomb): 9.5 mm, 14 mm, 19 mm and 24 mm

Thickness aluminium cover sheet (front and rear): 0.5 mm

Weight (total): 3.5 kg/m² (9.5 mm) up to 4.2 kg/m² (24 mm)

3.1

Thickness (cover sheets + aluminium honeycomb): 5.5 mm and 10.5 mm

Thickness aluminium cover sheet (front): 0.5 mm

Thickness aluminium cover sheet (rear): 1.0 mm

Weight (total): 3.4 kg/m² (5.5 mm) and 6.3 kg/m² (10.5 mm)

4.

The cover sheets (front + rear) can be coated with a platinum white Special polyester lacquer ($27 \pm 5 \mu\text{m}$) or mill-finished.

5.

The material installed on board ships shall comply in every respect with the material which has been tested.

6.

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.

7.

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.

Remark:

The surface material with low flame-spread characteristics does not apply to pipes, pipe coverings or cables.

The U.S. Coast Guard approval number is:

164.112/EC0736/118.391

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

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