



See-Berufsgenossenschaft
Prüf- und Zertifizierungsstelle
im BG-PRÜFZERT
European notified body
Identification number 0736

Deutsche Gesetzliche
Unfallversicherung



EC-Type Examination (Module B) Certificate

Certificate No. **107.059**

Name and address of the manufacturer: **Alcan Singen GmbH
Alusingen-Platz 1
78224 Singen (Germany)**

Date of issue: **16.06.2009**

Annex A.1 Item No & Item designation: **A.1/3.13 – Non-combustible materials**

Product designation: **Non-combustible aluminium honeycomb**

Product Type: **Aluminium honeycomb ALUCORE®**

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

Testing based on (Specific standard): **IMO Res. MSC.61(67)-(FTP-Code), IMO MSC/Circ.1120**

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 2008/67/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: **30.06.2014**



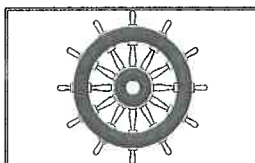
Signature (Hackl)

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 following documents:
 - Test Report NN03/3211.1 and NN03/3211.2 of the "Brandversuchshaus Hamburg", 22767 Hamburg (D) dated 19.04.2004.
 - Letter of confirmation of the "Brandversuchshaus Hamburg" (Dipl.- Ing. A. Pavlik) dated 31.03.2009.
2.
The nominal thickness of the aluminium honeycomb is 50 µm up to 70 µm.
3.
The cell size is 3/8" (9.5 mm) up to 1/4" (6.3 mm).
4.
The nominal density of the aluminium honeycomb is 37 kg/m³ up to 83 kg/m³.
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 replaces the old EC-Type Examination Certificate, issued on 08.03.2005 with a running time up to 31.03.2010.
8.
This EC-Type Examination Certificate may only be published or transmitted unabridged.