DNV·GL

Certificate No:
MEDB000032R

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the C class Divisions

with type designation(s)
Aluminium Honeycomb panels

Issued to
Brigantine Composites (S) Pte Ltd
Singapore, Singapore

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/3.64. SOLAS 74 as amended, Regulation II-2/3.10 & 2/9 and IMO 2010 FTP Code

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-07-12**.

Issued at **Høvik** on **2017-07-13**

DNV GL local station:
Certification of Materials - Singapore

Approval Engineer:
Piotr Orzechowski

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

NORWEGIAN ACCREDITATION PROD 019

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. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
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.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description
"Aluminium Honeycomb Panels"
Aluminium honeycomb panel composed of aluminium honeycomb core of type "3000 series" bonded on both sides with Fibreglass Cloth or min. 0.7 mm Aluminium sheet with adhesive type "SF".

Approved panel thickness range: 3 -100 mm.

Application/Limitation
Approved as C class division.

Each product is to be supplied with its manual for installation and maintenance.

Type Examination documentation
Test report No. S09MEC00771/GZJ dated 10 February 2009 from TUV, Singapore.

Tests carried out
Tested according to IMO FTPC Part 1 and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product
The product is to be marked with name and address of the manufacturer, type designation, fire technical rating and MED Mark of Conformity (see first page).