EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007YA

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 AS under the authority of the Government of Norway.

This is to certify:

That the Surface materials and floor coverings with low flame-spread characteristics: decorative veneers

with type designation(s)
AYRLITE 2071

Issued to
Ayres Composite Panels
Bayswater, WA, Australia

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2021/1158,**
item No. MED/3.18a. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

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

This Certificate is valid until **2027-04-18**.

Issued at **Høvik** on **2022-04-19**

DNV local station:
Australia FIS/CMC

Approval Engineer:
Kristin Grønnæss

Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

"AYRLITE 2071"
panel comprising of a non-combustible aluminium honeycomb core with cell diameter from 6.35 mm to 12.7 mm faced with aluminium sheets of minimum 0.3 mm thickness. One or both sides can be faced with microperforated aluminium sheet of minimum 0.8 mm thickness and with a maximum hole diameter of 0.8 mm.

Min. overall panel thickness is 6 mm.

The panels may be coated with combustible material as follows:

- Optional powder coating (0.55 µm) to one or both sides.

Application/Limitation

The panel surface is approved as a low flame spread material, not generating excessive quantities of smoke nor toxic products in fire.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code Part 5 and MED certified.

Any additional surface materials used have to be approved for smoke and toxicity and low flame characteristic (IMO 2010 FTP Code parts 2 and 5) when required according to relevant rules.

The panels may be regarded as C-class division (Ref. SOLAS II-2 Reg. 3.10 and IMO MSC/Circ. 1120).

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

Type Examination documentation

Test report No. PX13977 dated 14 September 2011 from SP, Borås, Sweden.
Test report No. PX13977-1 dated 14 September 2011 from SP, Borås, Sweden.
Test report No. PX18750-2 dated 14 March 2012 from SP, Borås, Sweden.
Test report No. PX18750-4 dated 14 March 2012 from SP, Borås, Sweden.
Test report No. 5P07468-1 rev.3 dated 31 October 2016 from SP, Borås, Sweden.
Test report No. O100611-1112780-4 dated 1 April 2022 from RISE, Borås, Sweden.
Test report No. O100611-1112780-5 dated 31 March 2022 from RISE, Borås, Sweden.

Assessment report No. 5P07468-3 dated 31 October 2016 from SP, Borås, Sweden.

Tests carried out

The aluminium honeycomb core has been tested according to IMO FTPC Part 1 and found to be in compliance with IMO 2010 FTP Code Ch.8.

The panel with powder coat has been tested according to IMO FTPC Part 5 and Annex 2.2 and found to be in compliance with IMO 2010 FTP Code Ch.8 and Part 5 and Annex 2 item 2.2 and item 2.3.

Marking of product

The product or packing is to be marked with name and address of the manufacturer, type designation, the MED Mark of Conformity and USCG approval if applicable (see front page).