



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAF00000J2**  
Revision No:  
**1**

**This is to certify:**  
**That the Class C Division**

with type designation(s)  
**AYRLITE 2022**

Issued to  
**Ayres Composite Panels**  
**Bayswater, WA, Australia**

is found to comply with  
**DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021**  
**DNV rules for classification – Ships**  
**DNV offshore standards**

## Application :

**Approved as non-combustible C-class division. The panel surface is approved as a low flame spread material, not generating excessive quantities of smoke nor toxic products in fire.**

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

Issued at **Høvik** on **2022-04-19**

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

DNV local station: **Australia FIS/CMC**

Approval Engineer: **Kristin Grønnæss**

for **DNV**



Digitally Signed By: David-Andersen, Helene  
Location: DNV Høvik, Norway

**Helene David-Andersen**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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.



Form code: TA 251

Revision: 2021-03

www.dnv.com

Page 1 of 2

## Product description

“AYRLITE 2022”

is a 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 min. 0.3 thickness.

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

Approved as non-combustible C-class division. 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.

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.

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

## Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

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. PX18750-3 dated 14 March 2012 from SP, Borås, Sweden.  
Test report No. O100611-1112780-2 dated 1 April 2022 from RISE, Borås, Sweden.  
Test report No. O100611-1112780-3 dated 1 April 2022 from RISE, Borås, Sweden.

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

## Tests carried out

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

Tested according to IMO FTPC Part 5 and Annex 2.2, and 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 is to be marked with name of manufacturer, type designation and fire-technical rating.

## Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNV-CP-0338, Section 4.