TYPE APPROVAL CERTIFICATE

Certificate No:
TAF00000J3
Revision No:
1

This is to certify:

That the Class C Division

with type designation(s)
AYRLITE 2054

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.

Product description

"AYRLITE 2054"
panel comprising of a non-combustible aluminium honeycomb core with cell diameter from 6.35 mm to 12.7 mm bonded on both sides with aluminium sheets with minimum thickness 0.3 mm. The panels are finished with combustible decorative HPL laminates (max. thickness 0.4 mm) on the front or both sides.

Min. overall panel thickness is 6 mm.

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 dated 13 March 2012 from SP, Borås, Sweden.
Test report No. PX18750-1 dated 13 March 2012 from SP, Borås, Sweden.
Test report No. PX18750-2 dated 14 March 2012 from SP, Borås, Sweden.
Test report No. O100611-1112780-1 dated 31 March 2022 from RISE, Borås, Sweden.
Test report No. O100611-1112780 dated 1 April 2022 from RISE, Borås, Sweden.
Test report No. O100611-1112780-6 dated 6 April 2022 from RISE, 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 has been tested according to IMO FTPC Part 5 and Part 2 and found to be in compliance with IMO 2010 FTP Code Ch.8, Part 5 and Part 2.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation and fire 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.