



EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000087T

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 C class Divisions

with type designation(s)
CEILIA

Issued to

Ayres Composite Panels
Bayswater, WA, Australia

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2022/1157,

item No. MED/3.64. SOLAS 74 as amended, Regulation II-2/3.10,3.33 & 2/9 and IMO 2010 FTP Code and IMO Res. MSC/Circ.1120

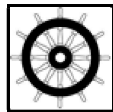
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-12-11**.

Issued at **Høvik** on **2022-12-12**

DNV local unit:
Australia

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0575**



for **DNV AS**

Digitally Signed By: Øyvind Hoff
Location: DNV Høvik, Norway
on behalf of

Sverre Olav Bergli
Head of Notified Body



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"CEILIA"

Is a ceiling tile system built up with the following layers seen from underside to upper side:

- A 0.7 mm thick powder coated aluminium sheet. The sheet may be perforated with up to 20.4% open area.
- An optional 0.3 mm acoustic fabric with density 230 kg/m³ may be adhered to the upper side of the aluminium tile.

Total tile thickness: 0.7 – 1.0 mm.

For further details see under Type Examination documentation.

Application/Limitation

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

The insulation materials and adhesives used must be approved according to the Marine Equipment Directive and bear the MED Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

The product satisfies the requirement for maximum calorific value (ref. SOLAS Chapter II-2, Reg 5.3.2.2) without further testing.

Additional surface materials have to be approved for low flame-spread characteristics and smoke and toxicity (IMO 2010 FTP Code, Annex 1, Parts 2 and 5). Total volume of combustible material shall satisfy SOLAS Chapter II-2, Reg 5.3.2.3.

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

Type Examination documentation

Test report no. O100611-1132442 dated 1 September 2022 from RISE, Borås, Sweden.

Drawing 'CEILIA-600 TILE' Rev.2 dated 8 December 2022 from manufacturer.

Drawing 'CEILIA-TILE – perforation pattern' Rev.2 dated 8 December 2022 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code 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 manufacturer, type designation, fire technical rating and MED Mark of Conformity (see first page).