



EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008V9

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:
that the C class Divisions

with type designation(s)
MICA Tile Ceiling Panel and MICA Linear Ceiling Panel

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

is found to comply with the requirements in the following Regulations/Standards:
Regulation (EU) 2023/1667,
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

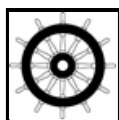
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-07-27**.

Issued at **Hamburg** on **2024-07-28**

DNV local unit:
Kuala Lumpur Verification

Approval Engineer:
Helge Bjørnarå



Notified Body
No.: **0098**

for **DNV SE**

Mydlak-Röder, Christine
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) 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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Form code: MED 201.DEU

Revision: 2024-02

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Product description

"MICA Tile Ceiling Panel and MICA Linear Ceiling Panel",

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

- 0.7 mm aluminium sheet coated with $70 \pm 10 \mu\text{m}$ polyester powder paint (manufactured by Oxyplast Powder-Coatings). The sheet may be solid or perforated.
- An optional 0.25 mm fabric "Royalin R6/40 (manufactured by Royalin) may be glued to the upper side of the sheet.

Total panel thickness: 0.7 mm – 0.95 mm.

Application/Limitation

Approved as C class division.

The adhesive used must be approved according to the Marine Equipment Directive and bear the MED Mark of Conformity.

The product satisfies the requirement for maximum calorific value (SOLAS Reg. II-2/5.3.2.2) 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 Reg. II-2/5.3.2.3.

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

Type Examination documentation

Test report No. 541701 dated 18 April 2024 from Warrintonfire, Warrington, UK.

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).