

TYPE APPROVAL CERTIFICATE

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

with type designation(s)

DAMPA Panels and tiles with low flame spread material: laminate

Issued to

Dampa ApS**Tommerup, Syddanmark, Denmark**

is found to comply with

DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations**DNV GL rules for classification – Ships****DNV GL 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.****This certificate is recognized by Transport Canada.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2020-02-11**This Certificate is valid until **2025-02-10**.for **DNV GL**DNV GL local station: **Denmark CMC**Approval Engineer: **Tessa Bieber**

Mårten Schei-Nilsson
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

'DAMPA panels and tiles with low flame spread surface material: Laminate',

Consisting of panels built up with the following layers seen from inside to outside:

- 0.5 mm - 1.0 mm thick aluminium or steel sheet. The sheet may be perforated with up to 22.7% open area.
- an acoustic inlay R6/40 (manufactured by Royalin R6/40). The acoustic inlay is bonded to the steel sheet with a polyethene glue with application rate of 12 - 15 g/m².
- Max. 30 µm thick Metal Colour Firesafe Laminate 0.150 mm PVC Film.

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.

Approved colour (Metal Colour Firesafe Laminate with 0.150 mm PVC Film): light brown or brighter colours

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 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 Examination documentation

Certification in accordance with Class Programme DNVGL-CP-0338, September 2018.

Test report no. PFB10373G dated 2019-11-19 (DAMPA AL 21 PVC laminate) from DBI, Hvidovre, Denmark.

Drawing No. 1106 marine-1 dated 2020-02-06 from manufacturer.

Drawing No. 1106 marine-2 dated 2020-02-06 from manufacturer.

Tests carried out

Tested according to IMO FTP Code Part 5 and Annex 2, item 2.2 and 2.3.

Marking of product

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

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV GL'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 DNVGL-CP-0338, Section 4.