

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00000BM
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

That the Surface materials and floor coverings with low flame-spread characteristics: decorative veneers

with type designation(s)
Duropol-HPL IMO

Issued to

Pfleiderer Deutschland GmbH
Neumarkt i.d.OPf., Germany

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

Regulation **MSN 1874 Amendment 10**,

item No. UK/3.18a. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

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

This Certificate is valid until **2029-12-10**.

Issued at **London** on **2025-04-25**

DNV local unit:
Essen



for **DNV UK Ltd.**

Approval Engineer:
Meike Grabau

Approved Body No.: **0097**

Mydlak-Röder, Christine
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved 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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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

"Duropal-HPL IMO"

is a high-pressure laminate consisting of:

- Melamine impregnated decorative paper (top layer)
- Phenol impregnated core paper
- Water based polyvinyl acetate adhesive
- Substrate (centre layer)

Top layer: Melamine impregnated decorative paper
Nominal thickness: 0.5 – 0.8 mm (+/- 0.1 mm)
Nominal density: 1.540 kg/m³

Core paper: Rohpapier Kapstone or Rohpapier Kapstone + Nordic Paper
Nominal thickness: 0.5 mm
Weight: 60 – 195 g/m²

Adhesive: Rakoll GXL-3 (water based polyvinyl acetate) / H.B. Fuller Deutschland GmbH
Application rate: 95 g/m²

Substrate: ThermaxSN / Fibro AG
Nominal thickness: 19 mm
Nominal density: 750 kg/m³ (+/- 10%)

Total thickness: 20.6 mm
Nominal density: 750 kg/m³
Nominal area density: 17.6 kg/m²

Application/Limitation

Approved for use as low flame spread material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use as decorative veneers on any metallic base or non-combustible base.

Approved for all colour variations.
Maximum organic content: 100 %

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 and to be approved according to the Marine Equipment Regulation and bear the UK Mark of Conformity.

Maximum gross calorific value shall be documented separately where applicable (SOLAS Reg. II-2/5.3.2).

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

Type Examination documentation

Test report no. 20645132-10c, dated 8 August 2014 (Duropal-HPL IMO 0.8 mm – Part 5)
Test report no. 20645132-20c, dated 11 August 2014 (Duropal-HPL IMO 0.8 mm – Part 2)
Test report no. 20645132-10a, dated 8 August 2014 (Duropal-HPL Metallic IMO 0.8 mm – Part 5)
Test report no. 20645132-20a, dated 11 August 2014 (Duropal-HPL Metallic IMO 0.8 mm – Part 2)
Test report no. 20654141-10a, dated 12 August 2014 (Duropal-HPL IMO Etagepresse 0.5 mm – Part 5)
Test report no. 20654141-20a, dated 13 August 2014 (Duropal-HPL IMO Etagepresse 0.5 mm – Part 2)
Test report no. 20654141-10b, dated 12 August 2014 (Duropal-HPL IMO Contipresse 0.5 mm – Part 5)
Test report no. 20654141-20b, dated 13 August 2014 (Duropal-HPL IMO Contipresse 0.5 mm – Part 2)

All from DMT Dortmund, Germany.

Tests carried out

Tested according to IMO 2010 FTP Code part 5 and 2.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation and the UK Mark of Conformity (see first page).