



Marine & Offshore

Certificate number: 07772/E1 MED

File number: ACI1300/142/001, 002 and 004

Item number: MED/3.18a

USCG Module B number: 164.112 / EC2690

This certificate is not valid when presented without the full attached schedule
composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2020/1170 of 16 July 2020

This certificate is issued following application of:

Pfleiderer Deutschland GmbH

Neumarkt - GERMANY

for the type of product

**SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD
CHARACTERISTICS: DECORATIVE VENEERS**

High Pressure Laminates (HPL):

Duropol HPL IMO / Duropol HPL Metallic IMO / Duropol HPL Individual IMO

Pfleiderer Deutschland GmbH is the authorized representative of the manufacturer:

Pfleiderer Leutkirch GmbH

Leutkirch im Allgäu - GERMANY

to which this certificate is issued.

Requirements:

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/6, II-2/9, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res. MSC.307(88) (2010 FTP Code)

IMO MSC/Circ.1120

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 13 May 2025

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV HAMBURG, on 12 Jan 2021,

Jens Bauermeister



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

High Pressure Laminates (HPL), type Duropal HPL IMO / Duropal HPL Metallic IMO / Duropal HPL Individual IMO
Melamine surfaced high pressure decorative laminates.

1.1 - **Duropal HPL IMO / Duropal HPL Metallic IMO**

Thickness from 0.6 mm to 1.2 mm, density 1350 kg/m³.

Tested on substrate non-combustible vermiculite board, 19 mm thick, density 750 kg/m³ (0.8 mm) or density 850 kg/m³ (1.2 mm)

Adhesive from H.B. Fuller Deutschland Produktions GmbH: Rakoll GXL-3 (Application rate 95 g/m²) or Rakoll 3401/D3 (Application rate 70 g/m²).

1.2 - **Duropal HPL Individual IMO**

Thickness of 1.2 mm, density 1350 kg/m³.

Tested on substrate non-combustible vermiculite board, 19 mm thick, density 750 kg/m³.

Adhesive from H.B. Fuller Deutschland Produktions GmbH: Rakoll GXL-3 (Application rate 94 g/m²).

2. DOCUMENTS AND DRAWINGS:

2.1 - **Duropal HPL IMO**

"Technical details Duropal-HPL IMO" dated March 2020.

2.2 - **Duropal HPL Metallic IMO**

"Technical details Duropal-HPLMetallic IMO" dated June 2014.

2.3 - **Duropal HPL Individual IMO**

"Technical data Duropal HPL Individual Pyroex" dated March 2019.

3. TEST REPORTS:

Test reports from DMT, Germany:

3.1 - **Duropal HPL IMO / Duropal HPL Metallic IMO**

3.1.1 - **Surface flammability**

Thickness 0.8 mm: Test report N° 20648737-10 dated 28/01/2015, as per IMO 2010 FTP Code Annex 1 Part 5.

Thickness 1.2 mm: Test report N° 8118360774-10 dated 14/12/2020, as per IMO 2010 FTP Code Annex 1 Part 5.

3.1.2 - **Smoke and toxicity**

Thickness 0.8 mm: Test report N° 20648737-20 dated 28/01/2015, as per IMO 2010 FTP Code, Annex 1 Part 2.

Thickness 1.2 mm: Test report N° 8118360774-20 dated 09/12/2020, as per IMO 2010 FTP Code Annex 1 Part 2.

3.1.3 - **Extension of thickness (0.6 mm)**

Technical statement ref. APS4-Hau/Mow dated 06/05/2020, from DMT, Germany.

3.2 - **Duropal HPL Individual IMO**

3.2.1 - **Surface flammability**

Test report N° 20663732-10b dated 15/12/2016, as per IMO 2010 FTP Code Annex 1 Part 5.

3.2.2 - **Smoke and toxicity**

Test report N° 20663732-20b dated 15/12/2016, as per IMO 2010 FTP Code Annex 1 Part 2.

4. APPLICATION / LIMITATION:

4.1 - Acceptable for use on any non-combustible and non-metallic substrate (complying with the requirements of MED 2014/90/UE as amended) having :

- a minimum density of at least 638 kg/m³, with no condition on the thickness, or,
- a minimum density of at least 400 kg/m³, with a thickness of at least 19 mm.

4.2 - Approved material is considered as having low flame spread characteristics and not capable of producing excessive smoke and toxic products.

4.3 - Calorific value to be less than 45 MJ/m² as per ISO 1716, where required.

4.4 - The fitting aboard to be the same as used for the test.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **Pfleiderer Deutschland GmbH** has declared the following manufacturing site:

Pfleiderer Leutkirch GmbH
Wurzacher Str. 32
88299 Leutkirch
GERMANY

6. MARKING OF PRODUCT:

6.1 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004 amended by Decision 1/2018 of 18 February 2019, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

7.1 - It is **Pfleiderer Deutschland GmbH**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes EC Type Examination Certificate N° 07772/E0 MED issued on 13/05/2020 by the Society.

***** END OF CERTIFICATE *****