LIMARTEC® WOOD VENEER SYSTEMS

DEVELOPED BY

F/LIST

VOTTELER LACKE - COATINGS

INTERIOR PRO MAN GmbH

AVAILABLE TO
ALL INTERIOR CONTRACTORS

COMPARISON BETWEEN LAMINATE - AND VENEER SURFACE:

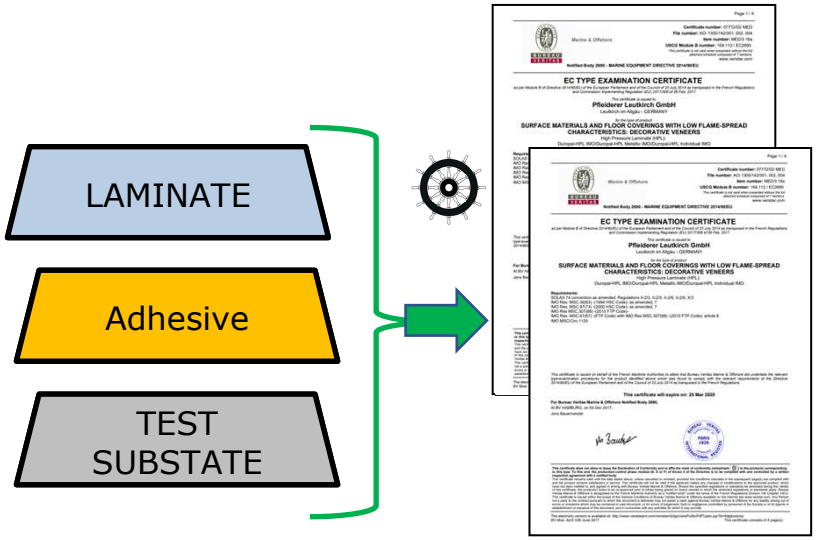
LIMARTEC® FIRE PROTECTION by INTERIOR PRO MAN GmbH

STANDARD ON CRUISE SHIPS

HPL Laminate has been excepted as decorative surface for walls and ceilings on ships, carrying more then 36 passengers, since many years.

LAMINATE / Exposed Surface: **HPL** (High Pressure Laminate)

Certificate: IMO Res. MSC.307(88)–(FTP Code 2010) Part 2 and part 5
Module B
Module D

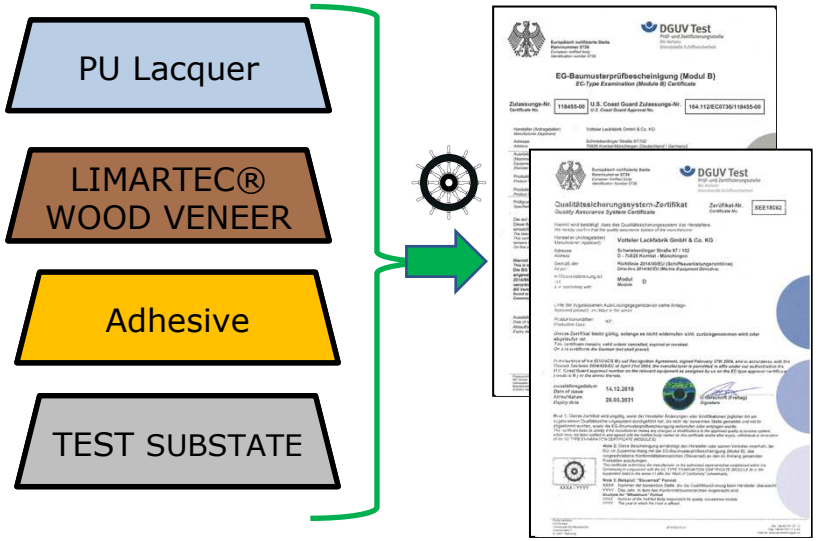


NEW DEVELOPMENT FOR CRUISE SHIPS

For the first time it was possible to test the combination of all layers (Panel, Veneer and Lacquer), using real wood veneer with LIMARTEC® treatment to obtain a certificate for the total build up of the decorative surface.

Lacquer / VENEER Exposed Surface: **LIMARTEC WOOD VENEER SYSTEMS**

Certificate: IMO Res. MSC.307(88)–(FTP Code 2010) Part 2 and part 5
Module B
Module D



LIMARTEC® WOOD VENEER SYSTEMS CONCEPT

LIMARTEC by INTERIOR PRO MAN GmbH

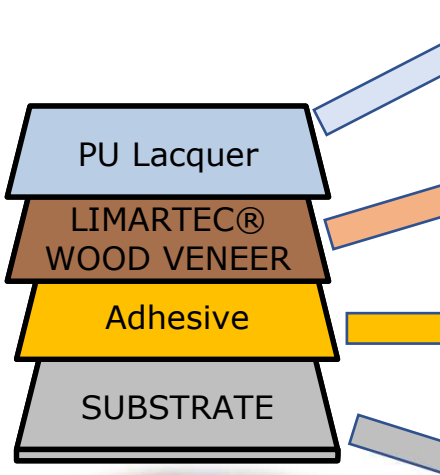
EC – Type Examination Certificate (Module B)

Quality Assurance System Certificate (Module D)

….for each individual layer

….for the combination of all layers.

LIMARTEC® WOOD VENEER SYSTEMS



PU-Lacquer
tested on LIMARTEC Wood Veneer

LIMARTEC Wood Veneer

PVAc / PU ADHESIVE

TEST SUBSTRATE:
Standard Calcium silicate board, described as a dummy specimen, specified in FTP Code 2010.

TOTAL BUILD UP OF ALL MATERIALS:
COMBINATION OF LAYERS TESTED:

1.) PU LACQUER
2.) LIMARTEC WOOD VENEER
3.) ADHESIVE: PVAc / PU
4.) TEST SUBSTRATE

TESTED ACCORDING TO:
IMO Res. MSC.307(88)–(FTP Code 2010) Part 2 and Part 5

Module B
Module D

Certificates for exposed surfaces using LIMARTEC WOOD VENEER.

MODULE B CERTIFICATE

Europäisch notifizierte Stelle
Kennnummer 0736
European notified body
Identification number 0736

DGUV Test
Prüf- und Zertifizierungsstelle
BG Verkehr
Dienststelle Schiffssicherheit

EG-Baumusterprüfbescheinigung (Modul B)
EC-Type Examination (Module B) Certificate

Zulassungs-Nr. *Certificate No.* **118455-01**
U.S. Coast Guard Zulassungs-Nr. *U.S. Coast Guard Approval No.* **164.112/EC0736/118455-01**

Hersteller (Antragsteller) *Manufacturer (Applicant)*	Votteler Lackfabrik GmbH & Co. KG
Adresse *Address*	Schwieberdinger Straße 97/102 70825 Korntal-Münchingen (Deutschland / *Germany*)
Ausrüstung (Nummer & Bezeichnung) *Equipment (Number & Item designation)*	MED/3.18a Oberflächenwerkstoffe und Bodenbeläge mit geringem Brandausbreitungsvermögen (Dekorfurniere) *Surface materials and floor coverings with low flame-spread characteristics (decorative veneers)*
Produkttyp *Product Type*	**PURIDUR®-Lack PU058MK8V015800 auf LIMARTEC® wood veneer** ***PURIDUR®-Lacquer PU058MK8V015800 on LIMARTEC® wood veneer***
Produkteinschränkung *Product Restriction*	n/a *n/a*
Prüfgrundlage *Specified Standard*	IMO-Entschließung MSC.307(88)-(FTP-Code 2010) Anlage 1, Teil 2, Teil 5 *IMO Resolution MSC.307 (88)-(FTP-Code 2010) Annex 1, Part 2, Part 5*

Die auf den folgenden Seiten aufgeführten Bedingungen sind Bestandteil dieses Zertifikats.
Diese Baumusterprüfbescheinigung gilt, solange sie nicht entzogen oder widerrufen wird und die Gegenstände unverändert, einsatzfähig eingesetzt werden.
The listed conditions on following pages are part of this certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions on following pages are complied with and the equipment remains satisfactory in service.
On this certificate the German text shall prevail.

Hiermit wird bestätigt, dass:
This is to certify that:
Die BG Verkehr - Dienststelle Schiffssicherheit die entsprechenden EG-Bauartzulassungsverfahren zur Bewertung angewendet hat und das genannte Baumuster den einschlägigen Brandschutz-Bestimmungen der Richtlinie 2014/90/EU (Schiffsausrüstung) in der jeweils geltenden Fassung, zuletzt geändert durch die Durchführungsverordnung (EU) 2018/773, vorbehaltlich der im Zertifikat genannten Auflagen, entspricht.
BG Verkehr - Ship Safety Division did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Fire protection requirements of Marine Equipment Directive (MED) 2014/90/EU, as amended by Commission Implementing Regulation (EU) 2018/773 subject to any conditions in the schedule attached hereto.

Ausstellungsdatum *Date of issue*	25.01.2019
Ablaufdatum *Expiry date*	10.12.2023

Unterschrift (Niehus)
Signature

Postanschrift:
BG Verkehr
Dienststelle Schiffssicherheit
Brandstwiete 1
D-20457 Hamburg

Tel: +49 40/3 61 37 - 0
Fax: +49 40/3 61 37 2 04
Internet: www.deutsche-flagge.de

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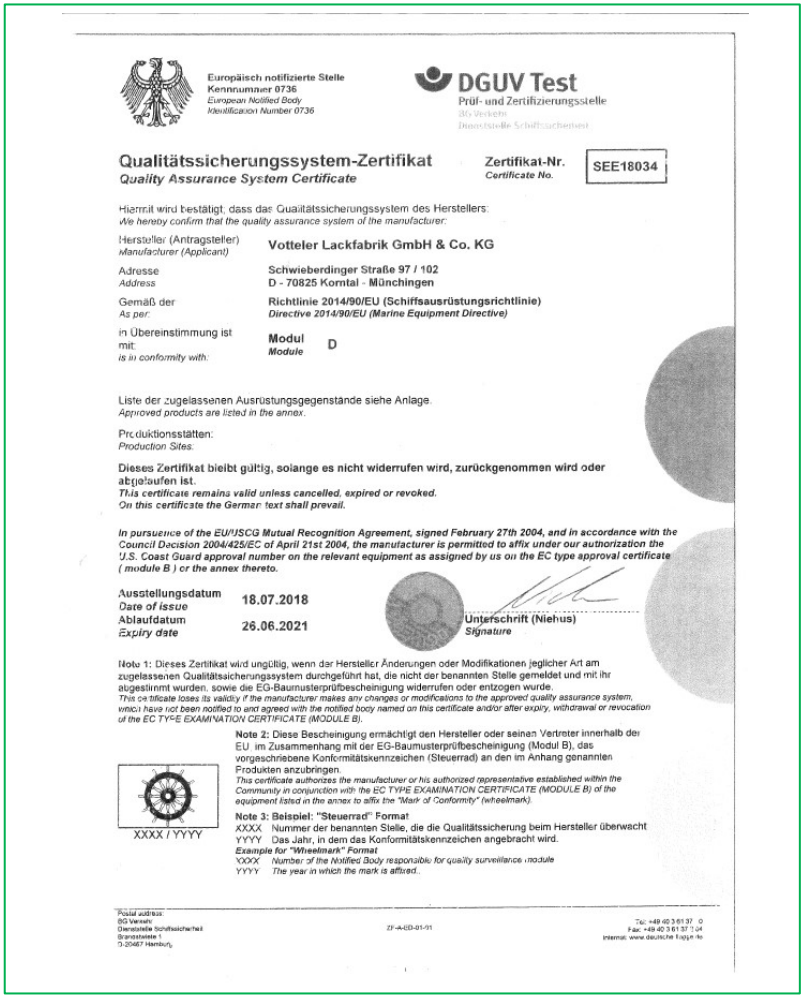
1 von / *of* 4

MODULE D CERTIFICATE



Europäisch notifizierte Stelle
Kennnummer 0736
European Notified Body
Identification Number 0736

DGUV Test
Prüf- und Zertifizierungsstelle
BG Verkehr
Dienststelle Schiffssicherheit

Qualitätssicherungssystem-Zertifikat
Quality Assurance System Certificate

Zertifikat-Nr. *Certificate No.* **SEE18034**

Hiermit wird bestätigt, dass das Qualitätssicherungssystem des Herstellers:
We hereby confirm that the quality assurance system of the manufacturer:

Hersteller (Antragsteller) *Manufacturer (Applicant)*	**Votteler Lackfabrik GmbH & Co. KG**
Adresse *Address*	**Schwieberdinger Straße 97 / 102** **D - 70825 Korntal - Münchingen**
Gemäß der *As per:*	**Richtlinie 2014/90/EU (Schiffsausrüstungsrichtlinie)** ***Directive 2014/90/EU (Marine Equipment Directive)***
in Übereinstimmung ist mit: *is in conformity with:*	**Modul** **D** ***Module***

Liste der zugelassenen Ausrüstungsgegenstände siehe Anlage.
Approved products are listed in the annex.

Produktionsstätten:
Production Sites:

Dieses Zertifikat bleibt gültig, solange es nicht widerrufen wird, zurückgenommen wird oder abgelaufen ist.
This certificate remains valid unless cancelled, expired or revoked.
On this certificate the German text shall prevail.

In pursuance of the EU/USCG Mutual Recognition Agreement, signed February 27th 2004, and in accordance with the Council Decision 2004/425/EC of April 21st 2004, the manufacturer is permitted to affix under our authorization the U.S. Coast Guard approval number on the relevant equipment as assigned by us on the EC type approval certificate (module B) or the annex thereto.

Ausstellungsdatum *Date of issue*	18.07.2018
Ablaufdatum *Expiry date*	26.06.2021

Unterschrift (Niehus)
Signature

Note 1: Dieses Zertifikat wird ungültig, wenn der Hersteller Änderungen oder Modifikationen jeglicher Art am zugelassenen Qualitätssicherungssystem durchgeführt hat, die nicht der benannten Stelle gemeldet und mit ihr abgestimmt wurden, sowie die EG-Baumusterprüfbescheinigung widerrufen oder entzogen wurde.
This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality assurance system, which have not been notified to and agreed with the notified body named on this certificate and/or after expiry, withdrawal or revocation of the EC TYPE EXAMINATION CERTIFICATE (MODULE B).

XXXX / YYYY

Note 2: Diese Bescheinigung ermächtigt den Hersteller oder seinen Vertreter innerhalb der EU im Zusammenhang mit der EG-Baumusterprüfbescheinigung (Modul B), das vorgeschriebene Konformitätskennzeichen (Steuerrad) an den im Anhang genannten Produkten anzubringen.
This certificate authorizes the manufacturer or his authorized representative established within the Community in conjunction with the EC TYPE EXAMINATION CERTIFICATE (MODULE B) of the equipment listed in the annex to affix the "Mark of Conformity" (wheelmark).

Note 3: Beispiel: "Steuerrad" Format
XXXX Nummer der benannten Stelle, die die Qualitätssicherung beim Hersteller überwacht
YYYY Das Jahr, in dem das Konformitätskennzeichen angebracht wird.
Example for "Wheelmark" Format
XXXX Number of the Notified Body responsible for quality surveillance module
YYYY The year in which the mark is affixed.

Postal address:
BG Verkehr
Dienststelle Schiffssicherheit
Brandstwiete 1
D-20457 Hamburg

ZF-A-ED-01-01

Tel: +49 40 3 61 37 - 0
Fax: +49 40 3 61 37 1 04
Internet: www.deutsche-flagge.de

LIMARTEC® WOOD VENEER SYSTEMS
It's the clients choise.

LIMARTEC by INTERIOR PRO MAN GmbH

The Client chooses:

Non combustible panel

any supplier possible. Thermax, Promat, Fipro, …..

Classic real wood veneers

with LIMARTEC treatment

Technical veneers such as

Alpi, Tabu, Legnoquattro… with LIMARTEC treatment

LIMARTEC® delivers:

Finished produced panel including lacquer surface

(open grain-matt finish).

Pre lacquered edgebandings also available for machine-application.

Facts and Info:

WHY TO CONSIDER THIS PRODUCT FOR AN AWARD?

1. It is the first fully certified, real wood veneered panel on the market.
2. It is Halogen-free and REACH conform
3. The material is sustainable – real wood veneer (Green Ship)
4. Designer can specify high-class real wood veneered surfaces instead of plastic laminate.
5. This panel opens new design perspectives to the yacht and cruise industry.
6. The open grain - wood veneer surface is sound absorbing and improves the noise level within the rooms, compared to a hard surface of a plastic laminate.
7. The product assures continuous appearance and quality of decorative surfaces throughout the whole project, regardless of the individual interior outfitting company.
8. The pre-finished panel shortens delivery time because the certificates are ready to be used by each individual contractor.
9. The veneer surface can be applied to wall- and ceilig panels, as well as to non-combustible profiles and even extruded aluminium profiles such as handrails and cornices.
10. Any non-combustible panel can be used as core material (Promat, Thermax, Fipro, …)
11. It is available to any interior outfitting company working in the cruise industry.
12. The surface stays below the limits for combustible materials and can be calculated into the Fire load calculation without exceeding the limitations.
13. It makes the interiors of cruise ships safer.

DATA SHEET

INTERIOR PROMAN

LIMARTEC® WOOD VENEER SYSTEMS are a tested combination of all layers; (core, veneer & lacquer) which meets the highest levels of fire protection. The specially developed and patented system for natural and recon wood veneers preserves the colour nuances and properties of the material and guarantees compliance with SOLAS, PYC / REG Yacht Code (B) standards.

LIMARTEC®
WOOD VENEER SYSTEMS

CERTIFIED FLAME RETARDANT TREATMENT

PRODUCT CHARACTERISTICS

- Fully compliant with SOLAS, PYC / REG Yacht Code (B) and standards
- For decorative surfaces, walls and ceilings
- Halogen-free and REACH compliant
- Can be processed using conventional adhesive systems
- The brilliant, natural hues of the wood are preserved
- Resistant to changing climatic conditions, salt-free
- Highly resistant to UV and artificial light
- Applied by spraying process

TECHNICAL DATA

- Non-combustible core panel
- Panel size: 2,800 mm x 1,250 mm
- Panel thickness: 12-25 mm
- Wood species with a thickness of ≤ 0.6 mm and a density of 670 kg/m³ (+/- 10 %)
- Scratch resistance and resistance to wear according to DIN 68861-2
- Light resistance (Xenon 150 h, Ultravitalux 100 h)

APPROVALS

- Low flame spread characteristics according to IMO Resolution MSC. 307(88) – FTP Code 2010, Part 2 & 5
- MED (wheelmark) certified
- U.S. Coast Guard approved

INTERIOR PROMAN GmbH
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