

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00002YM**  
Revision No:  
**1**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

## This is to certify:

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

with type designation(s)  
**BELBIEN**

Issued to  
**C.I. TAKIRON Corporation**  
**Tokyo, Japan**

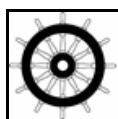
is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2019/1397**,  
**item No. MED/3.18a. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000  
HSC Code 7 and IMO 2010 FTP Code**

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

This Certificate is valid until **2025-02-11**.

Issued at **Høvik** on **2020-02-12**

DNV GL local station:  
**Yokohama**



for **DNV GL AS**

Approval Engineer:  
**Helge Bjørnarå**

Notified Body  
No.: **0575**

**Roald Vårheim**  
**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), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

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-surveillance 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 GL AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **344.1-000655-15**  
Certificate No: **MEDB00002YM**  
Revision No: **1**

## Product description

"BELBIEN"

plastic laminate composed of an adhesive layer, a subsurface layer (containing PVC resin, plasticizer, stabilizer, filler and fire retardant), a print layer and a surface layer (containing PVC resin, plasticizer and stabilizer).

Total thickness: 0.23 mm

Total weight: 265 g/m<sup>2</sup>

## Application/Limitation

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

Approved for use as decorative veneer on any non-combustible substrate or a metallic substrate with thickness of at least 2.4 mm.

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2

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 Directive and bear the Mark of Conformity.

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

## Type Examination documentation

Test Report No. 08-618(E) dated 7 April 2009 (Corr.1 dated 4 March 2010) from RIME, Tokyo, Japan.

Test Report No. 08-619(E) dated 7 April 2009 from RIME, Tokyo, Japan.

Test Report No. 08-620(E) dated 27 March 2009 from RIME, Tokyo, Japan.

Test Report No. 08-621(E) dated 27 March 2009 from RIME, Tokyo, Japan.

## Tests carried out

Tested according to IMO FTPC Part 5 and 2 and in compliance with the IMO 2010 FTP Code Ch. 8.

## Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG Approval Number if applicable (see page 1).



# QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Certificate No:  
**MEDD00000XH**  
Revision No:  
**4**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

## This is to certify:

**That the Quality System for the products**

with type designation(s) as specified in the Appendix to this Certificate

Issued to

**C.I. TAKIRON Corporation**  
**Osaka, Japan**

is found to comply with the applicable requirements.

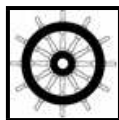
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2021/1158.

This Certificate is valid until **2027-05-17**.

Issued at **Høvik** on **2022-05-18**

DNV local station:  
**Kobe**

Approval Engineer:  
**Kristin Grønnæss**



Notified Body  
No.: **0575**

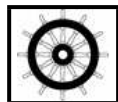


for **DNV AS**

Digitally Signed By:  
Øyvind Hoff  
Location: DNV Høvik, Norway  
on behalf of

**Sverre Olav Bergli**  
**Head of Notified Body**

The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.



0575/yyyy

0575: Notified Body number undertaking quality surveillance  
yyyy: The year in which the mark is affixed



The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.  
This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein.  
This certificate loses its validity if the manufacturer makes any changes to the approved quality system which have not been notified to and agreed with the notified body named on this certificate.  
This certificate remains valid unless suspended, withdrawn, recalled or cancelled.  
The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.

**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 211.NOR

Revision: 2022-02

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## APPENDIX

Item no. MED/3.18a Surface materials and floor coverings with low flame-spread characteristics: decorative veneers

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
BELBIEN <sup>1</sup>	MEDB00002YM Rev.2	2025-02-11	0575	164.112/EC0575 /MEDB00002YM Rev.2

## Places of production

1.C.I. TAKIRON Corporation, Shiga Plant, 3-3-1, Maruyama,, Konan, Shiga, Japan