



Marine & Offshore

Certificate number: 53675/A2 MED

File number: AC11310/121/001

Item number: MED/3.18c

USCG Module B number: 164.117 / 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 to:

LICO Oy

Lieksa - FINLAND

for the type of product

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

Floor coverings laminates, types "MAR002" and "MAR006"

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.61(67)-(FTP Code) with IMO Res MSC.307(88) (2010 FTP Code) article 8
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: 11 Jun 2023**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV HELSINKI, on 11 Jun 2021,

Tommy Andersson



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:

MAR006

Floor covering sandwich structure including tiles.

- Stoneware tiles (density 2200 kg/m³, thickness 6 mm), fixed with polyurethane based adhesive (1600 g/m²) and epoxy based seaming material onto a GRP (Glass Reinforced Plastic) laminate constructed as follows :

- Gelcoat (800 g/m²)
- Polyester resin reinforced by glass fibre mats (total reinforcement weight 4 kg/m²)
- Core layer (1700 g/m²) : rigid closed-cells thermoplastic sheet.

To be installed on a non-combustible substrate.

Total density of the GRP structure : 404 kg/m³

Total thickness of the GRP structure : 26 mm

Total thickness of the floor covering sandwich structure including tiles = 32 mm

MAR002

Floor covering GRP (Glass Reinforced Plastic) laminate constructed as follows :

- Gelcoat (800 g/m²)
- Polyester resin reinforced by glass fibre mats (total reinforcement weight 1800 g/m²)

Total density : approx. 1334 kg/m³

Maximum thickness : 3 mm

Laminate was tested applied on non-combustible material (thickness :10 mm, density 800 kg/m³)

2. DOCUMENTS AND DRAWINGS:

2.1 - Technical data sheet **MAR006** rev. 6 dated 15/05/2018.

2.2 - Technical data sheet **MAR002** rev. 4 dated 21/05/2018.

3. TEST REPORTS:

3.1 - MAR006 : Test report N° VTT-S-3215 dated 07/01/2015 Parts 2 & 5 as per 2010 IMO FTP Code from VTT Laboratories, Finland.

3.2 - MAR002 : Test report N° VTT-S-6187-06 dated 21/06/2006 as per IMO FTP Code Part 5 [testing standard : IMO Resolution A.653(16)] and test report N° VTT-S-6198-06 dated 21/06/2006 as per IMO FTP Code Part 2 from VTT Laboratories, Finland.

4. APPLICATION / LIMITATION:

4.1 - Floor coverings to be installed on non-combustible support.

4.2 - Approved for use as floor coverings as per tested face (i.e for MAR006, tested face = stoneware tiles face).

4.3 - 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 E "Product Quality Assurance" or 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, **LICO Oy** has declared the following manufacturing site(s):

LICO Oy
Kerantie 7-9
81720 LIEKSA
FINLAND

LICO Oy
Kangastie 2
61330 KOSKENKORVA
FINLAND

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 **LICO Oy**'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°53675/A1 MED issued on 05/10/2018 by the Society.

*** END OF CERTIFICATE ***