

MARINE DIVISION

17 bis Place des Reflets - La Défense 2
92400 Courbevoie - France

Tel. 33 1 42 91 52 91
Fax. 33 1 42 91 28 94
www.veristar.com



Certificate number: 08045/C0 EC

File number : ACI 1300/011/010

Annex A1 Item number : A.1/3.18a

USCG approval category : 164.112

This certificate is not valid when presented without the full attached schedule composed of 7 sections

EC TYPE EXAMINATION CERTIFICATE

as per Module B of European Union Council Directive 96/98/EC on marine equipment
as last amended by Commission Directive 2002/75/EC

This certificate is issued to

Formica IKI Oy

Kolho - FINLAND

for the type of product

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

HGP 0.6 mm, 0.7 mm and 0.8 mm laminate

Regulations and standards :

SOLAS 74 Convention, as amended by 2000 SOLAS Amendments, - Reg. II-2/3, II-2/5, II-2/6, II-2/9 - IMO Resolution MSC.97(73) (2000 HSC Code) 7.4.3.4, 7.4.3.5, 7.4.3.6 - IMO Res. MSC.36(63) - (1994 HSC Code) 7 - IMO Res. MSC.97(73) - (2000 HSC Code) 7 - IMO MSC.61(67) FTP Code - IMO MSC/Circ.916 - IMO MSC/Circ.1004 - IMO MSC/Circ.1036 - IMO MSC/Circ.1120 - ISO 1716(2002)

This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended

This certificate is valid until : 01 Aug 2013



At Paris la Défense, on : 01 Aug 2008

For **BUREAU VERITAS, Notified Body N°0062**
By order of the Secretary

Approval office

Local office : BV HELSINKI
Surveyor : T. Andersson

L. COURREGELONGUE



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 B 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. 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 S.A. 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 Division. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS 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 :

Surface Lining: "HGP 0.6 mm, 0.7 mm and 0.8 mm laminate"

Decorative high pressure laminate (density 1400kg/m³) glued on a non-combustible board by means of adhesive type RF-30 + RF-hardener (surface weight : 450 g/m²).

2. DOCUMENTS AND DRAWINGS :

Declaration of Material for Formica High Pressure Laminate HGP 0.6 mm dated 16 July 2008.
Declaration of Material for Formica High Pressure Laminate HGP 0.8 mm dated 16 July 2008.

3. TEST REPORTS :

HGP 0.6 mm laminate:

- Test report N° RTE610/03, dated February 24, 2003, as per IMO FTP Code Annex 1, Part 5 [Testing standard: IMO Resolution A.653(16)] (surface flammability characteristics) from VTT, Finland;
- Test report N° RTE103/03, dated March 3, 2003, as per ISO 1716-2002 [Gross calorific value calculation] from VTT, Finland;
- Test report N° RTE779/03, dated February 24, 2003, as per IMO FTP Code, Annex 1 Part 2 [Smoke and toxicity characteristics] from VTT, Finland.

HGP 0.8 mm laminate:

- Test report N° RTE2447/02, dated July 31, 2002, as per IMO FTP Code Annex 1, Part 5 [Testing standard: IMO Resolution A.653(16)] (surface flammability characteristics) from VTT, Finland;
- Test report N° RTE2979/02, dated November 4, 2002, as per ISO 1716-2002 [gross calorific value calculation] from VTT, Finland;
- Test report N° RTE2809/02, dated August 27, 2002, as per IMO FTP Code, Annex 1 Part 2 [smoke and toxicity characteristics] from VTT, Finland.

4. APPLICATION / LIMITATION :

- 4.1- Approval also valid for ships having to comply with IMO Resolution A.649 (The "MODU Code").
- 4.2- Approved for use as low flame spread material.
- 4.3- The calorific value is less than 45 MJ/m².
- 4.4- The HGP laminate may be glued on any non-combustible substrate within the limits given by IMO MSC/Circ.1004.

On board installation & Maintenance requirements :

- The Manufacturer's instruction manual should be kept on board;
- The fitting aboard to be the same as used for the test.

Other components

- 1 - Adhesive : "SB129" (thickness: 0.007 mm; surface weight : 7 g/m²) manufactured by COVERPLAST s.r.l.
- 2 - Non-combustible substrate: "Monolux board" (thickness: 12.5 mm; density 640 kg/m³), manufactured by Cape Boards Ltd.

5. PRODUCTION SURVEY REQUIREMENTS :

- 5.1- This certificate 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 B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.
- 5.2- Each equipment or batch of equipment is to be supplied with its manual (or instructions) for installation, use & maintenance in the language required by the Ship's Flag Administration.

6. MARKING OF PRODUCT :

Markings as per MED 96/98/EC when authorized by a Notified Body :

⊗ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004, the manufactured item(s) can be affixed with the USCG conformity marking, subject to the authorization of the Conformity Assessment Body undertaking surveillance module.

7. OTHERS :

7.1- This approval is given on the understanding that the Manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate supersedes the EC Type Examination Certificate N°08045/B1 EC issued on February 1, 2006 by Bureau Veritas.

7. OTHERS :

7.1- This approval is given on the understanding that the manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate supersedes EC Type Examination Certificate N° 08045/B0 EC issued on April 9,2003 by Bureau Veritas.

*** END OF CERTIFICATE ***