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Certificate number: 08077/C0 EC

File number: ACI 1300/011/011

Annex A1 Item number: A.1/3.18a

USCG Module B number: 164.112 / EC0062

*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**  
HGF 0.8 mm to 1.2 mm laminate**Regulations and standards:**

SOLAS 74 Convention, as amended, Regs. II-2/3.29, II-2/3.40.5, II-2/5.3.2.4, II-2/6.2 - IMO Resolution MSC.97(73) (2000 HSC Code) 7.4.3.4, 7.4.3.5, 7.4.3.6 - IMO Resolution A.653(16) - IMO Resolution MSC.61(67), Annex 1, Parts 2 &amp; 5, and Annex 2 - ISO 1716 (1973) - IMO MSC/Circ.1120.

*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: 20 Mar 2014**

At Neuilly, on: 20 Mar 2009

**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 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: HGF 0.8 mm to 1.2 mm laminate.**

Decorative high pressure laminate consisting of layers of cellulosic fibrous material impregnated with thermosetting resins and bonded together by high pressure. Core layers are impregnated with phenolic based resins and surface layers are impregnated with melamine based resin.

<b>Thickness</b>	0.8 mm	1.2 mm
<b>Surface weight</b>	1250 g/m <sup>2</sup>	1800 g/m <sup>2</sup>

The products were tested glued on a non-combustible board (640 kg/m<sup>3</sup>) by means of adhesive type RF-30 + RF-hardener (surface weight : 450 g/m<sup>2</sup>).

### 2. DOCUMENTS AND DRAWINGS :

- Declaration of Material for Formica High Pressure Laminate HGF 0.8 mm dated March 19, 2009.
- Declaration of Material for Formica High Pressure Laminate HGF 1.2 mm dated March 19, 2009.

### 3. TEST REPORTS :

#### **HGF 0.8 mm laminate:**

- Test report N° RTE947/01, dated April 4, 2001, 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° RTE1391/01, dated April 20, 2001, as per ISO 1716-1973 [Gross calorific value calculation] from VTT, Finland;
- Test report N° RTE948/01, dated April 4, 2001, as per IMO FTP Code, Annex 1 Part 2 [Smoke and toxicity characteristics] from VTT, Finland.

#### **HGF 1.2 mm laminate:**

- Test report N° RTE991/01, dated April 4, 2001, 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° RTE1392/01, dated April 20, 2001, as per ISO 1716-1973 [gross calorific value calculation] from VTT, Finland;
- Test report N° RTE958/01, dated April 20, 2001, 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 A649 (The "MODU Code").
- 4.2- Approved for use as low flame spread material.
- 4.3- The calorific value is less than 45 MJ/m<sup>2</sup>.
- 4.4- The HGF laminate may be glued on any non-combustible substrate within the limits given by IMO MSC/Circ.1004.
- 4.5- The Manufacturer's instruction manual should be kept on board;
- 4.6- The fitting aboard to be the same as used for the test.

**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 instruction) 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 :

☐ 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 product(s) marked as per MED 96/98/EC may be marked with the USCG conformity marking as authorized by the Notified 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 EC Type Examination Certificate N° 08077/B0 EC issued on 05/01/2004 by Bureau Veritas.

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