



Marine & Offshore
Division

Certificate number: 46143/A0 BV

File number: AC11300/011/010

Product code: 5230H

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

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

Formica IKI Oy

Kolho - FINLAND

for the type of product

SURFACE LININGS

HGP 0.6 mm, 0.7 mm and 0.8 mm laminate

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships Part C, Chapter 4 -

SOLAS 74 Convention, as amended, Reg. II-2/3, II-2/5

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 to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 09 Aug 2021

For BUREAU VERITAS,

At BV HELSINKI, on 09 Aug 2016,

Tommy Andersson



This certificate is recognized by Transport Canada

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. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division 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 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 1400 kg/m³) glued on a non-combustible board type "Monolux board" (thickness 12.5 mm; density 640 kg/m³), manufactured by Cape Boards Ltd, by means of adhesive type "RF-30 + RF-hardener" (surface weight 450 g/m²).

2. DOCUMENTS AND DRAWINGS :

Technical data sheets dated 16/07/2008

3. TEST REPORTS :

HGP 0.6 mm laminate :

- Surface flammability : 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)] from VTT, Finland;
- Smoke and toxicity : test report N° RTE779/03, dated February 24, 2003, as per IMO FTP Code, Annex 1 Part 2 from VTT, Finland.

HGP 0.8 mm laminate:

- Surface flammability : 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)] from VTT, Finland;
 - Smoke and toxicity : test report N° RTE2809/02, dated August 27, 2002, as per IMO FTP Code, Annex 1 Part 2 from VTT, Finland.
- Test report N° VTT-S-4284-13 dated 14.06.2013 as per ISO 1716:2010 from VTT, Finland.

4. APPLICATION / LIMITATION :

4.1- Calorific value is less than 45 MJ/m² as per ISO 1716 (2010).

4.2- Acceptable for use on any non-combustible / non-metallic substrate (complying with the requirements of MED 96/98/EC as amended) having :

- a minimum density of at least 480 kg/m³ with no condition on the thickness, or,
- a minimum density of at least 400 kg/m³ with a thickness of at least 12.5 mm.

4.3- The fitting aboard to be the same as used for the test.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The **HGP laminates** are to be supplied by **FORMICA IKI Oy** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **FORMICA IKI Oy** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

6. MARKING OF PRODUCT :

The product or packing is to be marked with manufacturer name, type, designation and fire-technical rating.

7. OTHERS :

It is **FORMICA IKI 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.

*** END OF CERTIFICATE ***