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Certificate number: 10160/B0 EC

File number : ACI 1300/012/008

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 of 2 September 2002**This certificate is issued to***POLYREY SAS**

Lalinde - FRANCE

*for the type of product***SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD
CHARACTERISTICS: DECORATIVE VENEERS****"POLYREY HPL Postformable 0.6 & 0.8 mm"****Regulations and standards :**SOLAS 74 Convention, 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) 7.4.3.4, 7.4.3.5 & 7.4.3.6
(2000 HSC Code) - IMO Resolution A.653(16) - IMO MSC 61(67), Annex 1, 1 Part 2 & 5 and Annex 2 - IMO MSC/Circ.1004*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 : 05 Jan 2011**

At Paris la Défense, on : 05 Jan 2006

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

Approval office

Local office : BV BORDEAUX
Surveyor : R. Garnier

J. BENOIT

**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 compiled 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 :

"POLYREY HPL Postformable 0.6 & 0.8 mm"

High pressure laminate obtained by stacking of Kraft paper impregnated with melamin resin with fillers (38 %), decorative paper - plain or printed - and overlay impregnated with phenolic resin with fillers (from 40 to 70 %).

Thickness of substrate as mentioned in § 3.

Non-combustible substrate: "Fipro MS", density 650 kg/m³, manufactured by Mineralka d.o.o., Cerknika, Slovenia. Test report n°P2270/95.530-7 dated June 27, 1997 as per IMO FTP Code Annex 1 Part 1 [Testing standard: IMO Resolution A.799(19)]. Type approval certificate N°07000/B1 EC issued on July 8, 2004 by Bureau Veritas.

Adhesive used : polyvinyl acetate glue, ref. "PLY-LOK 3047" from National Search (surface weight to be as used for the test).

2. DOCUMENTS AND DRAWINGS :

- 2.1- As per Manufacturer's specifications.
- 2.2- Manual (s) for installation, use and maintenance is(are) to be stamped by the Society's Surveyor and supplied in the language prescribed by the Maritime National Administration to whom the ship is registered.
- 2.3- Manufacturing documentation: to be stamped by the Society's Surveyor.

3. TEST REPORTS :

Fire tests have been conducted with laminates of thickness 0.8 mm.

- 3.1- With substrate "Fipro MS", density 650 kg/m³, thickness 10 mm :
N° A040291/CEMAT/3, dated 13.06.2000, as per IMO FTP Code Annex 1 Part 5 [testing standard: IMO Resolution A.653(16)]; N° A040291/CEMAT/4, dated 13.06.2000, as per IMO FTP Code Annex 1 Part 2;
- 3.2- With substrate "Fipro MS", density 650 kg/m³, thickness 19 mm :
N° A030581/CEMAT/1, dated 25.04.2000, as per IMO FTP Code Annex 1 Part 5 [testing standard: IMO Resolution A.653(16)]; N° A030581/CEMAT/2, dated 25.04.2000, as per IMO FTP Code Annex 1 Part 2;
- 3.3- N° 9011469/CEMATE/1, dated 01.02.1999, as per ISO 1716.

All tests reports are from LNE Laboratories, France.

4. APPLICATION / LIMITATION :

- 4.1- Approved for use as low flame spread surface material.
- 4.2- POLYREY HPL POSTFORMABLE can be applied to any non combustible substrates having :
- a thickness higher than 10 mm and a density higher than 400 kg/m³
- or, a density higher than 480 kg/m³ if the thickness is smaller than 10 mm.
This substrate shall also be non-metallic.
- 4.3- Calorific value less than 45 MJ/m² as per test report mentioned on § 3.3.
- 4.4- Approval valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A649 (The "MODU Code").

On board installation & Maintenance requirements :

- 1- The Manufacturer's instruction manual should be kept on board.
- 2- The fitting aboard to be the same as used for the test.
- 3- Flame spread, smoke characteristics and calorific value of the lining to be as per Rule requirements.



5. PRODUCTION SURVEY REQUIREMENTS :

- 5.1- The production conformity assessment module shall either be "D, production quality assurance" or "E, product quality assurance" or "F, product verification".
- 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 :

- Every item , or batch of items, or their packaging is to bear the following marking :
- Ⓢ mark and the Notified Body number undertaking surveillance module (for BV: 0062).
 - Last two digits of year mark affixed.

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°10160/A2 EC issued on June 3, 2003 by Bureau Veritas.

*** END OF CERTIFICATE ***

