

MARINE DIVISION

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Certificate number: 19788/A0 EC

File number : ACI 5500/032/001

Annex A1 Item number : A.1/3.40

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

A-SPE POLSKA

ELBLAG - POLAND

for the type of product

LOW-LOCATION LIGHTING SYSTEMS (COMPONENTS ONLY)

Photoluminescent Lighting Systems Type A-SPE foil V-24

Regulations and standards :

SOLAS 74 Convention, as amended, Regulations II-2/13 - IMO Res. MSC.98(73) (FSS Code) 11 - ISO 15370 (2001)

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 : 04 Sep 2013

At Paris la Défense, on : 04 Sep 2008

For BUREAU VERITAS, Notified Body N°0062

By order of the Secretary

Approval office

Local office : BV GDYNIA

Surveyor : J. Urban

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 :

Photoluminescent Lighting Systems

Type A-SPE foil V-24

Composed of PVC, photoluminescent pigment, acrylic base, solvent base.

- thickness approx. 0.3 mm
- density approx. 0.61 kg/m²

2. DOCUMENTS AND DRAWINGS :

As per test reports mentioned in § 3 below.

3. TEST REPORTS :

- 3.1- Test reports N° 2026.2-M23-4180-220/07 dated 27.04.2007 as per ISO 15370(2001) from Central Office of Measurements, Poland.
- 3.2- Test report N° IBR/Z-009-2008 dated 03.03.2008 (PL plate type) as per IMO FTP Code Part 5 from Technical University of Szczecin, Poland.
- 3.3- Test report N° IBR/Z-037-2008 dated 26.07.2007 as per IMO FTP Code Part 2 from Technical University of Szczecin, Poland.
- 3.4- Test reports N° RO-07/B-066/E dated 27.03.2007 (PL foil type) and N° RO-07/B-065/E dated 27.03.2007 (PL plate type) both as per ISO 1716: 2002 from CTO S.A., Poland.

4. APPLICATION / LIMITATION :

- 4.1- Approval valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A.649 (The "MODU Code").
- 4.2- Requirements stated in IMO Resolution A.752 (18) are to be complied with and drawings showing location and arrangement of the L.L.L Systems are to be submitted to the Flag authority for review in each case.
- 4.3- Product is complying with IMO FTPC Parts 2 & 5 for bulkheads, walls and ceiling linings as well as floor coverings.
- 4.4- PL strips should not be less than 75 mm wide.
- 4.5- The fitting aboard to be the same as used for the test.

5. PRODUCTION SURVEY REQUIREMENTS :

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.

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.

7. OTHERS :

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

*** END OF CERTIFICATE ***