



Certificate number: 20228/A2 EC
File number: ACI 4000/056/001
Annex A1 Item number: A.1/3.26a
USCG Module B number:
 164.138 / EC0062

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

Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
 as amended by Commission Directive 2008/67/EC*

This certificate is issued to

Specified Technologies Inc.
 Somerville, NJ - UNITED STATES OF AMERICA

for the type of product

PENETRATIONS THROUGH "A" CLASS DIVISIONS : ELECTRIC CABLE TRANSITS
 EZ-Path® for Marine Application

Requirements:

SOLAS 74 convention as amended, Regulations II-2/9
 IMO Resolution MSC.61(67)-(FTP Code)
 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 will expire on: 21 Jan 2013

For BUREAU VERITAS Notified Body 0062,

At BV PORT EVERGLADES CENTRE, on 20 Aug 2009,

Flavio Rosas



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 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 :

A class divisions cables transit, type Ez-Path®

System composed of steel casings centered in the division, 3 mm thick, screwed to the division by means of gaskets and plates. Spring loaded closure plates made of intumescent material are fitted inside the casings.

For EZD22 and EZD33 systems penetrating A-class bulkheads:

A piece of insulation (110 kg/m³) having dimensions 300 mm x 300 mm shall be added around the casings and shall cover completely the casing.

For other cases:

The steel casings shall be completely insulated (on the side where insulation material is fitted) with one layer of mineral wool 110 kg/m³, 75 mm thick. (see product data sheet referenced in §2).

Dimensions of the steel casing:

- Serie 22 : 38 mm x 38 mm; length: 267 mm
- Serie 33 : 76 mm x 76 mm; length: 267 mm
- Serie 44 : 102 mm x 118 mm; length: 356 mm

System	Dimensions of the opening in the division	Deck	Bulkhead
EZD22	53mm diameter	A-30	A-60
EZD33	103mm diameter	A-30	A-60
EZD44	153mm diameter	A-60	A-60
EZDG444 (4 x EZD44 in one row)	147 mm x 447 mm	A-60	A-60
EZDG844 (8 x EZD44 : 2 rows of 4 x EZD44)	266 mm x 447 mm	A-60	-

In A-60 class deck, one complete row of 4x EZD44 may be blanked by a steel plate 2.5 mm thick (dimensions: 466 mm x 154 mm) insulated as the rest of the deck.

Type of cables used during the tests :

- 205 MPRX 19 x 1.5 mm²
- 205 MPRX 2 x 2.5 + E mm²

Materials and/or components :

- Ez-Path® manufactured by STI.
- Non-combustible mineral wool, density 110 kg/m³, thickness 75 mm.

2. DOCUMENTS AND DRAWINGS :

To be installed according to the Manufacturer's Product data sheet "Ez-Path® for Marine Application" dated January 2008.

3. TEST REPORTS :

3.1- Test reports N° 164262 and 164263 both dated September 18, 2007 as per IMO Resolution A.754(18) from Bodycote Warringtonfire, UK.

3.2 - Assessment report 169507 dated January 17, 2007 from Bodycote Warringtonfire, UK.

3.3- Test report RE GM 834/06/A/NP/R 102 Rev. A dated July 3, 2006 as per IMO Resolution A.754(18) from GERBAM, France.

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 A649 (The "MODU Code").

4.2 - 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.

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 the EC Type Examination Certificate N°20228/A1 EC issued on February 14, 2008 by Bureau Veritas.

*** END OF CERTIFICATE ***