



Certificate number: 20230/A1 EC
File number: ACI 4000/056/002 & 003
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
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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

SpecSeal® Firestop Pillows for Marine Application
 SpecSeal® Firestop Putty 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 :

1.1- A-60 class divisions cables transit, type SpecSeal Firestop Pillows

System composed of a steel sleeve, thickness 3 mm, welded into the penetrated division and filled with SpecSeal Firestop Pillows (to minimum 30% compression) centered in sleeve.

The sleeve is welded:- centered into bulkheads
- flush with decks.

When the system is installed into a bulkhead, the sleeve shall be completely insulated (on the side where insulation material is fitted on the bulkhead) up to a distance of at least 450 mm from the sleeve.

Dimensions of the steel sleeve:

- minimum: 150 mm outside diameter x 150 mm
- maximum: 500 x 300 x 150 mm

Type of cables used during the tests :

- 205 MPRX 3 x 120 mm²
- 205 MPRX 19 x 1.5 mm²
- 205 MPRX 3 x 6 mm²
- 205 MPRX 2 x 2.5 + E mm²

The sleeve may also be installed without any cable (completely filled with pillows).

1.2- A-60 or A-30 class divisions cables transit, type SpecSeal Firestop Putty

System composed of a steel sleeve, thickness 3 mm, welded into the penetrated division. SpecSeal Firestop Putty 20mm in depth is fitted around the cables on both sides.

The sleeve is welded:
- centered into bulkheads
- flush with decks.

Dimensions of the steel sleeve:

- minimum: 36 mm outside diam. x 100 mm
- maximum: 106 mm outside diam. x 100 mm

When the system is installed into a bulkhead, the sleeve and the section of the penetration shall be completely covered by insulation material (on the side where insulation material is fitted on the bulkhead) up to a distance of at least 450 mm from the sleeve.

Diameter of the sleeve	Bulkhead(*)	Deck
36 mm	A-30	A-60
106 mm	A-60	A-60

(*) Bulkhead: for the diameters between 36 and 106 mm, the system is approved for use in A-30 class bulkhead only.

Type of cables used during the tests :

- 205 MPRX 2 x 2.5 + E mm²

Materials and/or components :

- **SpecSeal® Firestop Pillow** manufactured by STI.
- **SpecSeal® Firestop Putty** 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 "SpecSeal Firestop Pillows for Marine Application" and "SpecSeal Firestop Putty 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.

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°20230/A0 EC issued on January 21, 2008 by Bureau Veritas.

*** END OF CERTIFICATE ***