



**Marine & Offshore  
Division**

**Certificate number:** 07131/D1 EC

**File number:** ACI 1360/006/002

**Annex A1 Item number:** A.1/3.18d

*This certificate is not valid when presented without the full  
attached schedule composed of 7 sections*  
[www.veristar.com](http://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 2014/93/EU*

*This certificate is issued to*

**L'ISOLANTE K-FLEX SPA**

RONCELLO (MB) - ITALY

*for the type of product*

### **SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS: PIPE INSULATION COVERS**

K-Flex ST / K-Flex STA - Piping insulating material (for refrigeration systems and chilled water piping for  
air-conditioning systems)

#### **Requirements:**

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/6, II-2/9, X/3  
IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7  
IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7  
IMO MSC.307(88) (2010 FTP Code)  
IMO MSC/Circ.1120

*This certificate is issued on behalf of the French Maritime Authorities 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: 04 Aug 2019**

**For BUREAU VERITAS Notified Body 0062,**

At BV GENOA, on 31 Aug 2015,

Gianni Pirovano



**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 & Offshore Division available on the internet site [www.veristar.com](http://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 :**

#### **K-Flex ST**

Closed cell elastomeric foam, based on synthetic rubber. K-Flex ST is glued to steel plate with K-Flex K-414 or K-Flex KI-420 neopren glue (application rate 150 g/m<sup>2</sup>).

#### **K-Flex STA**

The same product (K-Flex ST), with pre-applied self-adhesive backing (acrylic pressure sensitive adhesive, 60 g/m<sup>2</sup>).

Thickness : up to 50 mm

Density : 55 kg/m<sup>3</sup>

### **2. DOCUMENTS AND DRAWINGS :**

K-FLEX ST Technical Data Sheet n° 1 rev 5.

### **3. TEST REPORTS :**

Test reports N° 0754/DC/REA/13 Rev.1 dated 27/11/2013 and N° 0153/DC/REA/15 dated 02/03/2015 as per IMO FTPC 2010 Part 5 from CSI, Italy.

### **4. APPLICATION / LIMITATION :**

4.1- For use as insulating material in refrigeration systems and chilled water piping for air-conditioning systems.

4.2- The specimen tests results are showing compliance with FTP Code Annex 1 Part 2 for Smoke and Toxicity characteristics (both total heat release, Qt, and peak heat release rate, qp, comply with FTP Code Annex 2 paragraph 2.2)

4.3- In application of FTPC 2010 Annex 2 § 2.3, the product is expected to satisfy the requirement of maximum gross calorific value (45 MJ/m<sup>2</sup>) without further testing.

4.4- 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 :**

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° 07131/D0 EC previously issued by the Society.

\*\*\* END OF CERTIFICATE \*\*\*