



Marine & Offshore  
Division

Certificate number: 28587/A1 EC

File number: ACI 1360/024/001

Annex A1 Item number: A.1/3.18d

*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 2012/32/EU

*This certificate is issued to*

**Thermaflex Isolatie B.V.**

Waalwijk - NETHERLANDS

*for the type of product*

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

**Requirements:**


SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/6, II-2/9, X/3,  
IMO Resolution MSC.97(73) - (2000 HSC Code) 7,  
IMO Resolution MSC.61(67)-(FTP Code) Annex 1 Part 2 and Part 5, Annex 2 - IMO MSC.307(88) (2010 FTP Code) article 8,  
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: 13 Jun 2017**

For BUREAU VERITAS Notified Body 0062,  
At BV GRONINGEN, on 14 Oct 2014,  
John Mondt



**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. 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 electronic version is available at: <http://www.veristarm.com/veristamb/jsp/viewPublicPdfTypepec.jsp?id=9dclgtvniib>

BV Mod. Ad.E 536 May 2009

This certificate consists of 2 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

#### **THERMASMART**

Thermoplastic elastomeric insulation material for cold services (see § 4) glued to the pipe with Thermaglu (205 g/m<sup>2</sup>).

Maximum thickness: 13 mm

Nominal density: 33 kg/m<sup>3</sup>

**Note:** tested on steel sheet (3 mm thick).

### 2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer specifications given in test report in § 3.

### 3. TEST REPORTS:

Test report N° 14124 dated 27.10.2009 as per IMO Resolution A.653(16) from Warringtonfiregent laboratory, Belgium.

### 4. APPLICATION / LIMITATION:

4.1 - For use as insulating material in refrigeration systems and chilled water piping for air-conditioning systems (only in concealed areas (not exposed) in accommodation, service spaces and control stations).

4.2 - The fitting aboard to be the same as used for the test.

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone 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.

5.2 - For information concerning the production phase modules, **Thermaflex Isolatie B.V.** has declared that the product may be manufactured at the following manufacturing places:

**Thermaflex Izolacji Spółka z o.o**  
ul.Przemysłowa 6  
58-130 Zarów  
POLAND

**Thermaflex Insulation Asia CO. Ltd**  
Main office and factory  
10 Moo 12 Nong-Prue  
Banglamung Chonburi 20260  
Thailand

### 6. MARKING OF PRODUCT:

6.1 - The product or packing is to be marked with manufacturer name, type, designation and fire-technical rating.

6.2 - Markings as per MED 96/98/EC:

⊗ YYYYY/XX where YYYYY 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° 28587/A0 EC issued on 13/06/2012 by the Society.

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