



Marine & Offshore
Division

Certificate number: 28587/B0 EC

File number: ACI 1360/024/002

Annex A1 Item number: A.1/3.18d

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

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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 2014/93/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 PRO

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 Res 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: 21 Dec 2020

For BUREAU VERITAS Notified Body 0062,

At BV GRONINGEN, on 21 Dec 2015,

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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

ThermaSmart PRO

Polyolefin insulation foam for cold services (see § 4) glued to the pipe with Thermaglu 474 (250 g/m²).

Maximum thickness: 32 mm

Nominal density: 33 kg/m³

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

2. DOCUMENTS AND DRAWINGS:

Technical data sheet dated on 06/2015.

3. TEST REPORTS:

Test report N° 17409A dated 26/10/15, as per IMO 2010 FTP Code Annex 1 Part 5, from Warringtonfiregent NV, 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.

4.3 - Any **added** finish surface material shall have to comply with the requirements of MED/96/98/EC, as amended, and be wheelmarked.

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, **Thermafex Isolatie B.V.** has declared that the product may be manufactured at the following manufacturing places:

Thermafex Izolacji Spółka z o.o
ul.Przemysłowa 6
58-130 Zarów
Poland

Thermafex 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:

⊙ 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° 28587/A0 EC issued on 13/06/2012 by the Society.

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