



MARINE DIVISION

Certificate number: 24618/A0 BV

File number: ACI 1300/244/001

Product code: 5230H

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

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**Fintex-Tetrakem Oy**  
Kangasala - FINLAND

*for the type of product*

**SURFACE LININGS**

Fire Secure Mastic Adhesive 1027, Fire Secure Adhesive 1050

**Requirements:**

BV Rules Pt C, Ch 4, 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, IMO MSC/Circ.916, IMO MSC/Circ.1004, IMO MSC/Circ.1036, IMO MSC/Circ.1120.

*This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 06 Jul 2016**

**For BUREAU VERITAS,**

At BV HELSINKI, on 06 Jul 2011,

Tommy Andersson



This certificate is recognized by Transport Canada

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 fitting being placed on board vessels to which the amended regulations or standards apply. 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:

**Fire Secure Mastic Adhesive 1027** is waterdispersion-based solvent free mastic adhesive and **Fire Secure Adhesive 1050** is waterdispersion-based solvent free adhesive.

The products should be used on non-combustible material. Application thickness should be not more than 4 mm and the product should be used as stripes of not more than 30 mm in width. Distance between stripes is to be not less than 50 mm.

The products have been tested on substrate with a density of 640 kg/m<sup>3</sup>

### 2. DOCUMENTS AND DRAWINGS:

Nil.

### 3. TEST REPORTS:

3.1 - Test report No. RTE2544/04 dated 19 July 2004 as per IMO FTP Code, Annex 1, Part 5 [testing standard: IMO Resolution A.653 (16)] from VTT Building Technology, Finland

3.2 - Test report No. RTE11384/99 dated 16 April 1999 as per IMO FTP Code, Annex 1, Part 5 [testing standard: IMO Resolution A.653 (16)] from VTT Building Technology, Finland

3.3 - Test report No. RTE11401/99 dated 24 August 1999 as per IMO FTP Code, Annex 1, Part 5 [testing standard: IMO Resolution A.653 (16)] from VTT Building Technology, Finland

3.4 - Statement No. RTE10816/98 dated 2 October 1998 from VTT Building Technology, Finland confirming the similarity of products **Fire Secure Mastic Adhesive 1027** and **Fire Secure Adhesive 1050**.

### 4. APPLICATION / LIMITATION:

4.1 - Approved for use as low flame-spread surface material. These products complied with FTP Code Annex 1 Part 2 - Smoke and Toxicity Test, without further testing.

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

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The **Fire Secure Mastic Adhesive 1027** and **Fire Secure Adhesive 1050** are to be manufactured, examined and tested by **Fintex-Tetrakem Oy** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **Fintex-Tetrakem Oy** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **Fintex-Tetrakem Oy** has declared to Bureau Veritas that the type of product described in this certificate may be manufactured at the following production site:

**Fintex-Tetrakem Oy**  
Mäkirinteentie 13  
FI 36220 Kangasala  
FINLAND

### 6. MARKING OF PRODUCT:

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

### 7. OTHERS:

It is the manufacturer's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

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