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SPECIFICATION TESTED

Project No: 3061429
Class: 4910
Product Name: ZOTEK F 42 HT LS
Product Type: Cleanroom Material
Name of Listing Company: Zotefoams plc
Address of Listing Company: 675 Mitcham Road
Croyden CR9 3AL
United Kingdom
Customer ID: 113276-1
Customer website: <http://www.zotefoams.com>

Prepared by

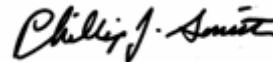


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Reviewed by



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6/27/18

Date

1 INTRODUCTION

1.1 Zotefoams plc requested Specification Testing of their ZOTEK F 42 HT LS listed in Section 1.4 to determine if it meets the requirements of the standard listed in Section 1.3.

1.2 This report may be freely reproduced only in its entirety and without modification.

1.3 Standards

Title	Number	Issue Date
Cleanroom Materials Flammability Test Protocol	4910	June 2009

1.4 Listing

The product will appear in the Approval Guide, an on-line resource of FM Approvals, as follows:

[Building Materials](#) [FM Approvals Cleanroom Materials Flammability Test Protocol](#)

ZOTEK F 42 HT LS

Trade Name:	ZOTEK F 42 HT LS
Thickness:	Minimum 6 mm (0.25 in.)
Nominal Size:	1000 mm x 2000 mm (39.4 in x 78.7 in.)
Material:	PVDF

2 DESCRIPTION

The ZOTEK F 42 HT LS is described as follows:

ZOTEK F 42 HT LS is a PVDF material that is white in color. The ZOTEK F 42 HT LS is available in a nominal size of 1000 mm x 2000 mm (39.4 in x 78.7 in.) and a minimum thickness of 6 mm (0.25 in.).

3 EXAMINATIONS AND TESTS

3.1 Samples were submitted for examination and testing. The samples were considered to be representative of standard production and were examined or tested as indicated below. All data is on file at FM Approvals along with other documents and correspondence applicable to this program.

3.2 All testing and analysis considered appropriate was conducted and verified to be in compliance with the Standards defined in Section 1.3.

3.3 See Table 1 below for testing details.

Table 1

Section	Test Name	Justification/Comments
4.3	Ignition Test	Not Included
	Combustion Test	Not Included
	Fire Propagation Test	Not Included
4.4	8 ft. (2.4 m) Parallel Panel Test	Included

4 MARKING

- 4.1** The manufacturer shall mark each package with the manufacturer's name, product trade name and the words "FM Approvals Listed Cleanroom Material". In addition, each item must be marked with FM Specification Tested to FM Approvals Standard 4910.
- 4.2** Markings denoting Specification Tested by FM Approvals shall be applied by the manufacturer only within and on the premises of manufacturing locations under the FM Approvals Surveillance program.
- 4.3** The manufacturer agrees that use of the FM Approvals name or Specification Tested Mark is subject to the conditions and limitations of the Specification Tested approval by FM Approvals. Such conditions and limitations must be included in all references to approval by FM Approvals.
- 4.4** Product intended for use in Canada shall be provided with caution and warning labels in both English and French.

5 REMARKS

- 5.1** Continued Listing as Specification Tested in the Approval Guide is based upon fabrication and construction of ZOTEK F 42 HT LS in accordance with this Specification Tested Report, satisfactory field experience and continued use of acceptable quality control procedures as determined by Surveillance Audits.
- 5.2** Additional guidance for the use of ZOTEK F 42 HT LS is outlined in FM Global Property Loss Prevention Data Sheets 1-56 and 7-7.

6 SURVEILLANCE AUDIT

The manufacturing facilities at the following locations shall be visited on a routine basis. The facility processes and quality control procedures in place have been determined to be satisfactory to manufacture products identical to that tested and Approved. An FM Approved Products/Specification-Tested Revision Request Form shall be submitted to FM Approvals for requesting to manufacture products at any additional or alternate manufacturing facilities which are not listed below.

Audit Locations

675 Mitcham Road
Croyden, CR9 3AL
United Kingdom

OT Talheim, Guardianstr. 6-10
06766 Bitterfeld-Wolfen
Germany

Zoning Industriel
76450 Cany-Barville,
France

7 MANUFACTURER'S RESPONSIBILITIES

- 7.1** Documentation that is applicable to this Specification Tested Listing is on file at FM Approvals and listed in the Documentation File, Section 8, of this report. No changes of any nature shall be made unless notice of the proposed change has been given and written authorization obtained from FM Approvals. The FM Approved Products/Specification-Tested Revision Request Form, shall be forwarded to FM Approvals as notice of proposed changes.
- 7.2** When ZOTEK F 42 HT LS is to be installed for an FM Global insured, the manufacturer shall forward all submittals required by this Specification Tested Report to the appropriate FM Global Operations Center for review and acceptance.
- 7.3** The manufacturer shall supply all instructions, materials, equipment, and assistance necessary for the complete, proper and satisfactory installation and testing of the ZOTEK F 42 HT LS. Complete installation drawings shall be furnished and shall pertain to the specific ZOTEK F 42 HT LS supplied.
- 7.4** In accordance with the Master Agreement, the manufacturer shall make full and immediate disclosure to FM Approvals of all information concerning any defect in, or potential hazard of, the product or service manufactured or provided by the Customer which is Approved by, or being examined by, FM Approvals. The manufacturer shall make all necessary arrangements for the investigation of complaints / anomalies applicable to this approval and shall keep records of all complaints / anomalies including actions taken.

8 DOCUMENTATION

The following documents describe the ZOTEK F 42 HT LS and are on file at FM Approvals.

Document Title	Issue Date
Surveillance Audit Manual, Croyden, United Kingdom	June 2018
Surveillance Audit Manual, Bitterfeld-Wolfen, Germany	June 2018
Surveillance Audit Manual, Cany-Barville, France	June 2018

9 CONCLUSION

The products described in section 1.4 meets FM Approvals requirements. Since a duly signed Master Agreement is on file for this manufacturer, Specification Tested Listing is effective the date of this report.

PROJECT DATA RECORD: 3061429