



## Certificate Of Fire Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	<b>SPI, LLC dba Speciality Products and Insulation</b>
<b>Address</b>	2101 Rexford Rd., Suite 300E, Charlotte, North Carolina, 28211, USA
<b>Type</b>	Material Having Low Flame Spread Characteristics & Not Capable Of Producing Excessive Quantities Of Smoke & Toxic Products Of Combustion
<b>Description</b>	Fire Resisting Material – Foil scrim film Type ‘4348’.
<b>Trade Name</b>	‘4348’
<b>Specified Standard</b>	IMO 2010 FTP Code Resolution MSC.307(88) - Annex 1 Part 5 and Annex 2

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register North America, Inc. of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

1330 Enclave Parkway, Houston, Texas, 77077,  
United States

**Bruce McDonald**

Global Fire & Safety Manager to Lloyd's  
Register North America, Inc.  
A member of the Lloyd's Register group

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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR23333110SF**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

**TEST REPORTS**

Intertek Building & Construction (B&C), Fire Test Report No. 105096875SAT-018B dated 17th March 2023

**CONDITIONS OF CERTIFICATION**

1. When applied to a non-combustible substrate.
2. System consists of fiberglass scrim and polyester film with a total nominal thickness of 0.15 mm, bonded with a fire retardant, thermo-setting adhesive of type Vimasco 727 at an application rate between 283 to 347 g/m<sup>2</sup>.
3. Composition, application and installation of sub-components, including adhesives, seals and any fire retardants, to be maintained in production and use in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions.
4. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
5. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, whether manufactured by themselves or their licensee manufacturers, if agreed by Lloyd's Register, are fully compliant with the relevant statutory regulations and Lloyd's Register Class rules as applicable and designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.
6. This product fully complies with all requirements for approval according to Transport Canada procedures given in TP 14612E "Procedures for approval of life-saving appliances and fire safety systems, equipment and products".



## DESIGN APPRAISAL DOCUMENT

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Certificate No: LR23333110SF  
Issue Date: 21/07/2023  
Expiry Date: 20/07/2028  
Reference: UKITSO/FIRE/TA/BM/DS/WP50636683/PRJ11100414205

### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR23333110SF

#### **PLACE OF PRODUCTION**

1600 Cloister Drive  
Suite B  
Lancaster  
PA 17601

18270 Segale Park Drive B  
Tukwila  
WA 98188  
USA

1301 Laura Lane  
Lake Bluff  
IL 60044  
USA

**Bruce McDonald**  
Technical Authority  
Statutory to Lloyd's Register North America, Inc.

#### **Supplementary Type Approval Terms and Conditions**

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s)*

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