

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
CERTIFICATE OF TYPE APPROVAL**

(EC Certificate of Type Examination-2014/90/EU Directive Module B)

Certificate Number: 164.112/1121/WCL MED0362TE

Applicant:- **Pyrotek Pty. Ltd**

Manufacturer:- Pyrotek Pty. Ltd

Address:- **147-149 Magowar Road, Girraween,
NSW 2145, Australia**

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This is to certify that the applicant has submitted details of a decorative veneer product (item reference "A.1/3.18a") with low flame-spread and low smoke and toxic fume characteristics known and designated as:-

"Soundalloy™"

having the technical specification given in the schedule of equipment on this certificate which has been tested and complies with the recommended criteria given in the following methods, published by the International Maritime Organisation, and which are contained in the relevant parts of the International Code for Application of Fire Test Procedures (FTP Code) namely:-

- IMO Resolution MSC 307(88): Annex 1: Part 5
- IMO Resolution MSC 307(88): Annex 1: Part 2
- MSC/Circ.1120, 2 June 2004

This certificate is issued on behalf of the Maritime and Coastguard Agency (MCA). The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 1999 and also the Marine Equipment Directive 2014/90/EU as amended, the certificate is issued.

This product has been assigned a U.S. Coast Guard Module B number 164.112/EC1121/WCL MED0362TE to note type approval to Module B only as it pertains to obtaining US Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

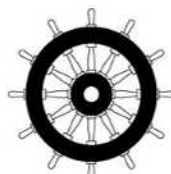


P Duggan
Manager
Warrington Certification
Holmesfield Road
Warrington WA1 2DS

Date of Issue 15th March 2018

This certificate is valid until 14th March 2023

**This certificate is not valid for equipment, the design or manufacture
of which, has been varied or modified from the specimens tested.**



Certificate of Type Approval Schedule of Equipment

The applicant declared that the following comprises an accurate description of the system type to which this certificate applies.

General description		Damped metal composite comprising two layers of aluminium laminated together using a layer of a viscoelastic polymer
Product reference of composite		"Soundalloy"
Name of manufacturer of composite		Pyrotek
Thickness of composite		1.65mm (stated by sponsor) 2.05mm (determined by Exova Warringtonfire)
Weight per unit area of composite		4.1kg/m ² (stated by sponsor) 5.30kg/m ² (determined by Exova Warringtonfire)
Product configuration		<ul style="list-style-type: none"> • Aluminium • Polymer • Aluminium
Aluminium	Generic type	Aluminium
	Product reference	"Aluminium"
	Name of manufacturer	See Note 1 below
	Thickness	0.8mm
	Density	2.4 g/cm ³
	Colour reference	"Silver"
	Flame retardant details	See Note 2 below
Polymer	Generic type	See Note 3 below
	Product reference	See Note 3 below
	Name of manufacturer	See Note 3 below
	Colour reference	See Note 1 below
	Application rate	See Note 3 below
	Application method	See Note 3 below
	Flame retardant details	See Note 1 below
Curing process	See Note 3 below	
Brief description of manufacturing process		See Note 3 below

Note 1. The sponsor was unable to provide this information.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 3. The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.



The under noted documents have been approved for compliance with the relevant requirements of International Conventions and European Union Legislation for the EC Type examination of Marine Equipment for use on Ships Registered in the European Economic Area.

Approved Documents

Test Reports

- (1) WF No. 323596 Surface Flammability test to IMO Resolution MSC 307(88): Annex 1: Part 5.
- (2) Smoke and Toxicity is satisfied by meeting the total heat release (Q_t) and peak heat release (Q_p) requirement as stated Paragraph 2.2 of Annex 2 to IMO Resolution MSC 307(88).

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