

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: 1121/WCL MED0267TE

Applicant:- **Pyrotek Pty. Ltd**

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

Manufacturer:- Pyrotek Pty Ltd

147 – 149 Magowar Road,
Girraween, 2145 NSW, Australia

Pyrotek CZ s.r.o
Dolni Lhota 203, 67801 Blansko,
Ceska Republik

Pyrotek (Chuzhou) New Materials
Co., Ltd,
28802 Quingliu Road, Suzhou-
Chuzhou Modern Industry Park,
Chuzhou City, Anhui Province
239000, P.R. China

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 characteristics known and designated as:-

"Sorbermel™"

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:-

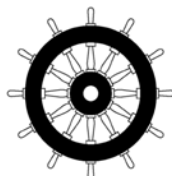
- IMO Resolution A653(16)
- IMO Resolution MSC 61(67) Annex 1 Part 5.
- IMO Resolution MSC 61(67) Annex 1 Part 2.
Smoke and Toxicity is satisfied by meeting the total heat release (Q_t) and peak heat release (Q_p) as stated in IMO Fire Test Procedures Code, Annex 2 Section 2.2
- IMO MSC/Circ.1120, 2 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.



P Duggan
Certification Manager
WarringtonFire
Homesfield Road
Warrington
WA1 2DS

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



Date of Issue: March 2019
Re-issued: 7th November 2014
Re-Issued: 25th April 2019
This certificate is valid until: 24th April 2024

This certificate does not entitle the use of the Mark of Conformity, which requires an additional module, either D, E or F;

Under the terms of the Merchant Shipping (Marine Equipment Regulations 2016) Exova (UK) Limited trading as Warrington Certification has been notified to the European Commission by the Maritime and Coastguard Agency as a body authorised to conduct Type Examinations under the provision of the European Council Directive 2014/90/EU on Marine Equipment and issue Certificates of Type Approval.

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		Sobermel™ is a flexible, open-cell foam made from melamine resin. It has the option of facing with a flame retardant AGC facing
Product reference of overall composite		“Sorbermel”
Name of manufacturer of overall composite		Pyrotek
Thickness of overall composite (faced with glass cloth)		3mm or greater
Thickness (Unfaced)		20mm
Density / Weight per unit area of overall composite (Faced with Glass Cloth)		See Note 1 below
Density / Weight per unit area of overall composite (Unfaced)		10 – 11 kg/m ³ density foam
Facing	Generic type	See Note 1 below
	Product reference	“AGC”
	Name of manufacturer	See Note 1 below
	Thickness	See Note 1 below
	Weight per unit area	See Note 1 below
	Colour reference	“Silver”
	Type of weave	See Note 1 below
	Flame retardant details	See Note 2 below
Adhesive	Generic type	See Note 1 below
	Product reference	See Note 1 below
	Name of manufacturer	See Note 1 below
	Colour reference	See Note 1 below
	Application rate	See Note 1 below
	Application method	See Note 1 below
	Flame retardant details	See Note 2 below
	Curing process	See Note 1 below
Foam	Generic type	Melamine foam
	Product reference	“Sorbermel™”
	Name of manufacturer	See Note 1 below
	Thickness	See Note 1 below
	Density	10-11kg/m ³ ±10%
	Colour reference	“Grey”
	Flame retardant details	See Note 2 below
Brief description of manufacturing process		See Note 1 below

Note 1. The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the reports and are instead held on the confidential file relating to this investigation.

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

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. 369538 (*3mm nominal thick.* dated August 2016) Surface Flammability test to IMO Resolution MSC 307(88): Annex 1: Part 5 of the Fire Test Procedures Code
- (2) WF No. 369547 (*50mm nominal thick.* dated August 2016) Surface Flammability test to IMO Resolution MSC 307(88): Annex 1: Part 5 of the Fire Test Procedures Code
- (3) WF No. 187270 (*Unfaced, 20mm nominal thick.* dated October 2009) Surface Flammability test to IMO Resolution MSC 307(88): Annex 1: Part 5 of the Fire Test Procedures Code
- (4) Smoke and Toxicity is satisfied by meeting the total heat release (Q_t) and peak heat release (Q_p) as stated in IMO Fire Test Procedures Code, Annex 2 Section 2.2

Warrington Certification Limited, Holmesfield Road, Warrington, WA1 2DS.

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