

Notified body No. 2812

## Certificate of Type Approval

### ERO2812/MED0267TE

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

<b>Manufacturer:</b>	Pyrotek Pty. Ltd	<b>Authorised Representative:</b>	Pyrotek CZ s.r.o
<b>Address:</b>	147-149 Magowar Road, Girraween, NSW 2145, Australia <b>Pyrotek CZ s.r.o</b> Dolni Lhota 203, 67801 Blansko, Ceska Republik <b>Pyrotek (Chuzhou) New Materials Co., Ltd,</b> 28802 Quingliu Road, Suzhou- Chuzhou Modern Industry Park, Chuzhou City, Anhui Province 239000, P.R. China	<b>Address:</b>	Dolni Lhota C.P. 203 Blansko 678 01, Czech Republic

This is to certify that the manufacturer has submitted details of a decorative veneer product (Item No. MED/3.18a), with low flame spread characteristics known and designated as:-

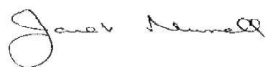
“Sorbermel™”

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 and Annex 2.
- IMO Resolution MSC 61(67) Annex 1 Part 2 and Annex 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.

The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 2016 and also the Marine Equipment Directive 2014/90/EU as amended) and the implementing regulation 2020/1170/EU the certificate is issued.

This equipment is covered by the scope of 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 and amended by Decision No.1/2018 dated February 18th, 2019 according to the US Coast Guard approval category. A US Coastguard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.



Janet Murrell  
Certification Manager - Marine

Date of issue: 2021-01-01  
Valid until: 2024-04-24

**ERO project reference: EROMED10111**  
**ERO EC Distinguishing No. 2812**

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

CSF402-NL 0.1

## 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)		<b>See Note 1 below</b>
Density / Weight per unit area of overall composite (Unfaced)		10 – 11 kg/m <sup>3</sup> density foam
Facing	Generic type	<b>See Note 1 below</b>
	Product reference	“AGC”
	Name of manufacturer	<b>See Note 1 below</b>
	Thickness	<b>See Note 1 below</b>
	Weight per unit area	<b>See Note 1 below</b>
	Colour reference	“Silver”
	Type of weave	<b>See Note 1 below</b>
	Flame retardant details	<b>See Note 2 below</b>
Adhesive	Generic type	<b>See Note 1 below</b>
	Product reference	<b>See Note 1 below</b>
	Name of manufacturer	<b>See Note 1 below</b>
	Colour reference	<b>See Note 1 below</b>
	Application rate	<b>See Note 1 below</b>
	Application method	<b>See Note 1 below</b>
	Flame retardant details	<b>See Note 2 below</b>
Curing process	<b>See Note 1 below</b>	
Foam	Generic type	Melamine foam
	Product reference	“Sorbermel™”
	Name of manufacturer	<b>See Note 1 below</b>
	Thickness	<b>See Note 1 below</b>
	Density	10-11kg/m <sup>3</sup> ±10%
	Colour reference	“Grey”
Flame retardant details	<b>See Note 2 below</b>	
Brief description of manufacturing process		<b>See Note 1 below</b>

**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 EU Type Examination of Marine Equipment for use on Ships Registered in the European Economic Area.

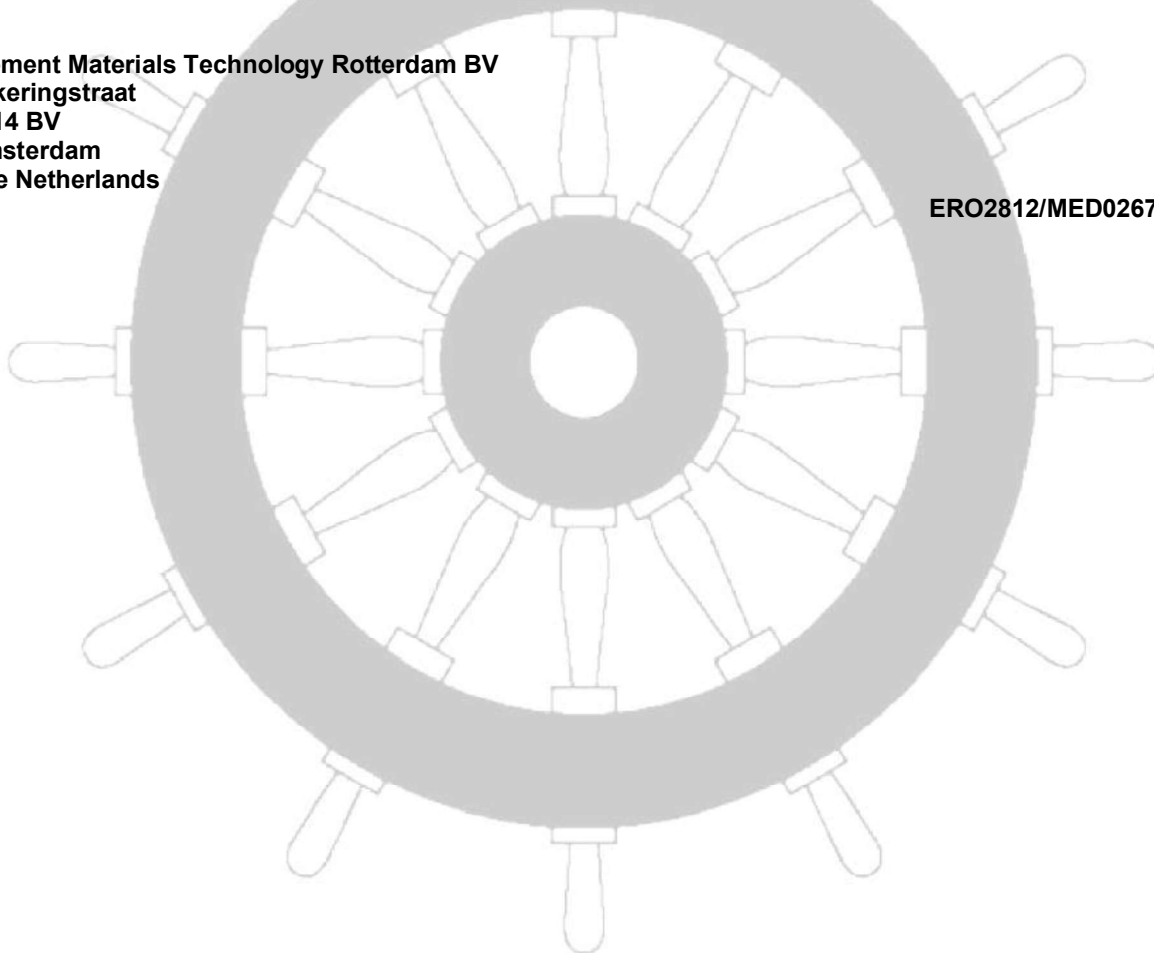
## Approved Documents

### 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

**Element Materials Technology Rotterdam BV**  
Zekeringstraat  
1014 BV  
Amsterdam  
The Netherlands

**ERO2812/MED0267TE**



## **EC Declaration of Conformity** **Conformity Assessment Module Combination B+D**

We hereby declare that the following specified equipment complies with the Marine Equipment Directive (MED) 2014/90/EU, as amended, last amended by 7th Implementing Regulation (EU) 2023/1667.

Product name	EC directive Item Number	EC Type-Examination Certificate No.	Notified Body number	Valid until
Sorbermel	MED/3.18a	ERO2812/MED0267TE	2812	2024-04-24

As manufactured by,

Manufacturer: Pyrotek Pty Ltd.  
Manufacturer Address: 147-149 Magowar Rd  
Girraween 2145 NSW  
AUSTRALIA

This material has been tested to verify compliance with the following Regulations and Testing Standards by the International Maritime Organization (IMO), which contains relevant parts of the International Code for Applications of Fire Test Procedures (FTP), which include:

- IMO Resolution MSC. 307(88) Annex 1 (or equivalent) FTP Part 5
- Smoke and Toxicity IMO FTP Code Annex 1 Part 2 or Annex 2 section 2.2
- IMO MSC/Circ. 1120, 2 June 2004.

As per,

Quality Systems Certificate No. MEDD000028J, Issued by DNV, Notified Body No: 0575, valid until 2027-07-20

The technical documentation for this equipment is retained at the following address:  
147-149 Magowar Rd, Girraween 2145 NSW AUSTRALIA.

Authorized additional site of production:

- Pyrotek CZ s.r.o., Dolní Lhota 203, 678 01 Blansko, Czech Republic

Authorized representative within the European Union:

- Pyrotek CZ s.r.o., Dolní Lhota 203, 678 01 Blansko, Czech Republic

Appointed by the manufacturer  
as the responsible person for  
signing this Declaration:



Rebecca Volk  
Research and Development Scientist  
8/12/2023