

Notified body No. 2812

## Certificate of Type Approval

### ERO2812/MED0384TE

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

<b>Manufacturer:</b>	.1. Pyrotek Pty Ltd, .2. Pyrotek Dongguan Limited .3. Pyrotek Inc .4. Pyrotek CZ s.r.o	<b>Authorised Representative:</b>	Pyrotek CZ s.r.o
<b>Address:</b>	.1. 147-149 Magowar Rd Gurraveen NSW .2. CaoTang Industry Park, HaDi, NanCheng District, DongGuan, GuangDong Province 523085, People's Republic of China .3. 641 State Route 13, Cortland, NY 13045-8836, United States .4. Dolni Lhota 203, 67801 Blansko, Ceska republik, 67801	<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 thermal insulation coating product (Item No. MED/3.18b), known and designated as:-

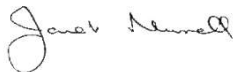
**“Decicoat™ T35”**

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
- 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: 2024-02-21

**ERO project reference: EROMED10107**  
**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 teste**

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		Thermal insulation coating applied to a steel substrate
Name of manufacturer		Pyrotek
Overall thickness		Nominally 5mm (stated by sponsor) 5.53mm (determined by <b>Warringtonfire</b> )
Overall weight per unit area		23.28kg/m <sup>2</sup> (determined by <b>Warringtonfire</b> )
Coating	Generic type	Water based acrylic coating
	Product reference	"Decicoat™ T35"
	Name of manufacturer	Pyrotek
	Colour reference	"White"
	Number of coats	<b>See Note 1 below</b>
	Application thickness	Nominally 2mm
	Density	<b>See Note 1 below</b>
	Application method	<b>See Note 1 below</b>
	Flame retardant details	<b>See Note 1 below</b>
Curing process per coat		<b>See Note 1 below</b>
Substrate	Generic type	Steel
	Product reference	"Steel"
	Name of manufacturer	<b>See Note 2 below</b>
	Thickness	3mm
	Density / WPUA	<b>See Note 1 below</b>
	Colour reference	"Metallic"
Flame retardant details		The substrate is inherently flame retardant
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 report and are instead held on the confidential file relating to this investigation.

**Note 2.** The sponsor was unwilling to provide this information.

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

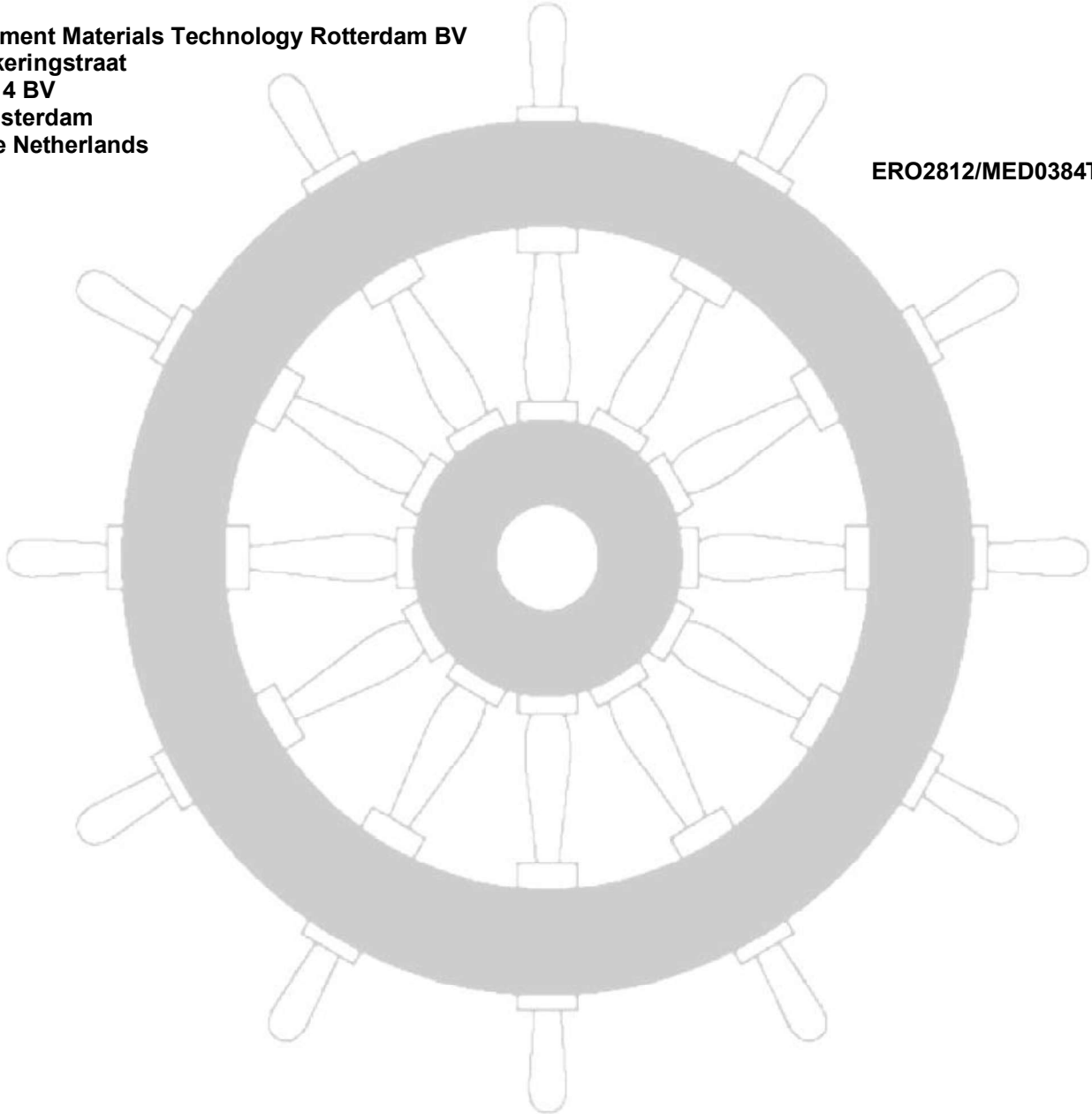
### Test Reports

- WF 335172 Surface Flammability test (dated 25<sup>th</sup> November 2013) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 376675 Surface Flammability test (dated 25<sup>th</sup> November 2016) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 399518 (Issue 2) Surface Flammability test (dated 13<sup>th</sup> June 2018) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 399516 (Issue 2) Surface Flammability test (dated 13<sup>th</sup> June 2018) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.
- WF 399517 (Issue 2) Surface Flammability test (dated 13<sup>th</sup> June 2018) to IMO Resolution MSC. 307(88) Annex 1, Part 5 of the IMO 2010 Fire Test Procedures Code.

- 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/MED0384TE**



## 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 4th implementing regulation (EU) 2020/1170.

Product name	EC directive Item Number	EC Type-Examination Certificate No.	Notified Body number	Valid until
Decicoat T35	MED/3.18b	ERO2812/MED0384TE	2812	21/02/2024

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, Part 5
- Smoke and Toxicity IMO FTP Code Annex 2 section 2.2
- IMO MSC/Circ. 1120, 2 June 2004.

As per,

Quality Systems Certificate No. MEDD000015N, Issued by DNV, Notified Body No: 0575, valid until 29/05/2022

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

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



Benjamin Dowdell  
Senior Research and Development Scientist  
16/04/2021