

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/EWC MED0384TE

Applicant:- **Pyrotek Pty Ltd**
Address:- 147-149 Magowar Rd Girraween NSW

Manufacturer 1:- Pyrotek Pty Ltd
147-149 Magowar Rd Girraween NSW
Manufacturer 2:- Pyrotek Dongguan Limited,
CaoTang Industry Park, HaDi, NanCheng District,
DongGuan, GuangDong Province 523085,
People's Republic of China
Manufacturer 3:- Pyrotek Inc, Cortland
641 State Route 13, Cortland, NY 13045-8836,
United States
Manufacturer 4:- Pyrotek CZ s.r.o
Dolni Lhota 203, 67801 Blansko, Ceska republik,
67801

This is to certify that the applicant has submitted details of a thermal insulation coating product (category reference MED/3.18b) known and designated as:-

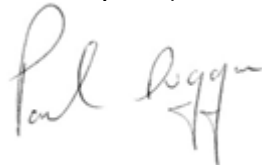
"Decicoat™ T35"

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

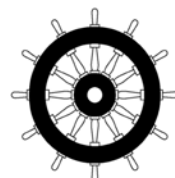
This certificate is issued on behalf of the Maritime and Coastguard Agency (MCA). The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 1999 and also the Marine Equipment Directive 2014/90/EU as amended, the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

This product has been assigned a U.S. Coast Guard Module B number 164.112/EC1121/EWC MED0384 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
WarringtonFire
Holmesfield Road
Warrington

WA1 2DS



Date of Issue: 3rd December 2018
Revised on: 29th October 2014 & 7th November 2016 &
22nd February 2019
This certificate is valid until: 2nd December 2023

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

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		Thermal insulation coating applied to a steel substrate
Name of manufacturer		Pyrotek
Overall thickness		Nominally 5mm (stated by sponsor) 5.53mm (determined by Warringtonfire)
Overall weight per unit area		See Note 1 below 23.28kg/m ² (determined by Warringtonfire)
Coating	Generic type	Water based acrylic coating
	Product reference	"Decicoat™ T35"
	Name of manufacturer	Pyrotek
	Colour reference	"White"
	Number of coats	See Note 1 below
	Application thickness	Nominally 2mm
	Density	See Note 1 below
	Application method	See Note 1 below
	Flame retardant details	See Note 1 below
Curing process per coat	See Note 1 below	
Substrate	Generic type	Steel
	Product reference	"Steel"
	Name of manufacturer	See Note 2 below
	Thickness	3mm
	Density / WPUA	See Note 1 below
	Colour reference	"Metallic"
	Flame retardant details	The substrate is inherently flame retardant
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 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 EC 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 25th 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 25th 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 13th 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 13th 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 13th 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.

WarringtonFire, Holmesfield Road, Warrington, WA1 2DS

Certificate Number: 164.112/1121/EWC MED0384TE