

**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 MED0522TE**

Applicant:- **Quin Global UK**

Manufacturer:- Quin Global UK

Address:- **Unit 1 Ruthvenfield Avenue,  
Inveralmond Industrial Estate,  
Perth, PH1 3WB**

Unit 1 Ruthvenfield Avenue, Inveralmond  
Industrial Estate, Perth, PH1 3WB

This is to certify that the applicant has submitted details of an adhesive, having low flame spread characteristics, Item No. A.1/3.18e, known and designated as:-

**"Tensorgrip L17 Hi-Temp Resistant Web Spray Adhesive"**

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 MSC/Circ.1120

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.

The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/1121/WCL MED0522 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 27<sup>th</sup>, 2004.

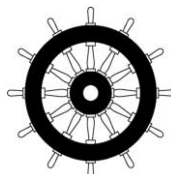


P Duggan  
Certification Manager  
Warrington Certification  
Holmesfield Road  
Warrington WA1 2DS

Date of Issue: 12th September 2018

This certificate is valid until: 11th September 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		Hi Temperature Spray Adhesive
Product reference of overall composite		Tensorgrip L17 Hi-Temp Resistant Web Spray Adhesive
Name of manufacturer of overall composite		Quin Global UK Ltd
Thickness of overall composite		0.1mm
Density / weight per unit area of overall composite		20 grams per square meter.
Adhesive	Generic type	Hybrid rubber based spray adhesive
	Product reference	Tensorgrip L17 Hi-Temp Resistant Web Spray Adhesive
	Name of manufacturer	Quin Global UK Ltd
	Colour reference	Clear
	Application rate / thickness	20 grams per SQM
	Application method	Aerosol
	Trade name of flame retardant	<b>See Note 1 Below</b>
	Generic type of flame retardant	<b>See Note 1 Below</b>
	Amount of flame retardant	<b>See Note 1 Below</b>
	Curing process	Evaporation
Substrate	Trade name	"MONALITE M1A"
	Generic type	Calcium silicate based board
	Manufacturer	Promat
	Thickness	25mm
	Density	970kg/m <sup>3</sup>
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process		<b>See Note 2 below</b>

**Note 1:** The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product.

**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 400621, tested July 2018, Surface Flammability test to 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.

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