

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
CERTIFICATE OF TYPE APPROVAL**

(EC Certificate of Type Examination-96/98/EC Directive Module B)

Certificate Number: 164.112/1121/WCL MED0395TE

Applicant:- **F Ball and Co. Ltd.**

Manufacturer:- F Ball and Co. Ltd.

Address:- **Station Road, Cheddleton, Leek,
Staffordshire, ST13 7RS, UK**

Station Road, Cheddleton, Leek,
Staffordshire, ST13 7RS, UK

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

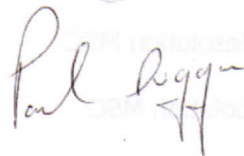
"Styccobond F54"

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 and Annex 2.
- IMO Resolution MSC 307(88): Annex 1: Part 2 and Annex 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 96/98 as amended, the certificate is issued.

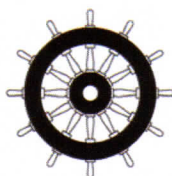
The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/1121/WCL MED0395 as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.



Paul Duggan
Manager
Warrington Certification Limited
Holmesfield Road
Warrington WA1 2DS

Date of Issue: 13th February 2015
This certificate is valid until: 12th February 2020

**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		Synthetic polymer emulsion adhesive applied to a calcium silicate based board substrate
Adhesive	Generic type	Synthetic polymer emulsion adhesive
	Trade name	"Styccobond F54"
	Name of manufacturer	F. Ball and Co. Ltd.
	Colour	"Off white"
	Specific gravity	1.3
	Application rate	3m ² per litre
	Application method	2mm x 6mm 'V' notched trowel
	Flame retardant details	The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product
Substrate	Trade name	"MONALITE M1A"
	Generic type	Calcium silicate based board
	Name of manufacturer	Promat
	Thickness	25mm
	Density	970kg/m ³
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process		The sponsor of the test 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 335643 (dated January 2014), Surface Flammability test to IMO Resolution MSC 307(88) Annex 1: Part 5.
- WF 335644 (dated January 2014), Smoke and toxicity test to IMO Resolution MSC 307(88) Annex 1: Part 2.

Warrington Certification Limited
Holmesfield Road
Warrington
WA1 2DS

Certificate Number: 164.112/1121/WCL MED0395TE



Notified Body No. 1121

EUROPEAN COMMUNITY CERTIFICATE OF CONFORMITY

Issued in accordance with the
MARINE EQUIPMENT DIRECTIVE

Certificate No. 164.112/1121/WCL MED0395QA

This is to certify that in compliance with the Council Directive 96/98/EC of 20 December 1996 on marine equipment as amended, the product detailed below has been tested in accordance with the appropriate international instruments contained therein.

This certificate is issued to:

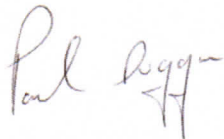
F Ball and Co. Ltd.
Station Road, Cheddleton, Leek,
Staffordshire, ST13 7RS, UK

To certify also that a Surveyor representing Warrington Certification Limited did at their request attend at the works of F Ball and Co Ltd. on the 8th January 2014 and annually thereafter for the purpose of examining the production and factory production control systems for this product.

Product Description - Rubber / resin based adhesive
Product Type - Item Number A.1/3.18e Adhesive
Reference - "Styccobond F54"
Modules used - (D)

The particulars of which are given on this certificate, to verify compliance with the requirements of the International Convention for the Safety of Life at Sea (SOLAS) 1974 Regulation II-2/3.40.6, II-2/9.2.2.3.2 and II-2/5.3.3

The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/1121/WCL MED0395 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
Warrington Certification Limited
Holmesfield Road
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Date of Issue: 13th February 2015
This certificate is valid until: 12th February 2020

WCL EC Distinguishing No. 1121

Certificate No. 164.112/1121/WCL MED0395QA

Description of Product as Prototype Tested:

The product is constructed as described in the test reports referenced in the following certificate.

EC Type-Examination Certificate No.	Notified Body	Date of Issue
164.112/1121/WCL MED0395TE	Warrington Certification Limited	13 th February 2015

Regulation No	Testing Standard	Result	Date
II-2/3.40.6, II-2/9.2.2.3.2 and II-2/5.3.3	IMO Resolution MSC 307(88), Annex 1: Part 5 and Annex 2	Pass	WF 335643 Dated January 2014
MSC Circ 1120	IMO Resolution MSC 307(88), Annex 1: Part 2 and Annex 2	Pass	WF 335644 Dated January 2014

Marking & Identification affixed to the product:

Manufacturer Name	F Ball and Co. Ltd.
Manufacturer Address	Station Road, Cheddleton, Leek, Staffordshire, ST13 7RS, UK
Product Reference	"Styccobond F54"
Approved Authority	Warrington Certification Limited

Warrington Certification Limited
Holmesfield Road
Warrington WA1 2DS

**Warrington Certification Limited
WCL EC Distinguishing No. 1121**

