

Notified body No. 2812

Certificate of Type Approval

164.112/ERO2812/MED0496TE

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

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

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

EU Authorised Representative: F. Ball and Co. (Europe) Limited. 109 Cork Street, Dublin 8, D08 X279, Republic of Ireland.

This is to certify that the manufacturer has submitted details of a flooring adhesive (Item No. MED/3.18e: Adhesive), having low flame spread and low smoke and toxic fume emissions, known and designated as:-

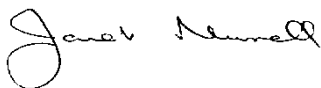
“Styccobond F49 Hybrid PS”

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 Resolution MSC 307(88) Annex 1 Part 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.

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 2021/1158/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. The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/ERO2812/MED0496.



Janet Murrell
Certification Manager - Marine

Date of original issue: **2021-01-01**
Date of re-issue: **2021-11-12**
Valid until: **2026-11-11**

ERO project reference: **ERO 032647 P03**

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

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		A two component acrylic emulsion based flooring adhesive applied to a calcium silicate based board substrate
Thickness		25.40mm (determined by Exova Warringtonfire)
Weight per unit area		26.34kg/m ² (determined by Exova Warringtonfire)
Adhesive	Generic type	Acrylic emulsion based
	Product reference	"Styccobond F49 Hybrid PS"
	Formulation reference	"F3946/F3947"
	Name of manufacturer	F. Ball and Co. Ltd.
	Colour reference	"Off White"
	Application rate	6m ² per kg
	Specific gravity	1.01
	Application method	Notched spreader (TKB A1)
	Flame retardant details	See Note 1 below
Substrate	Trade name	"MONALITE M1A"
	Generic type	Calcium silicate based board
	Manufacturer	Promat
	Thickness	25mm
	Density	970kg/m ³
	Flame retardant details	The substrate is inherently flame retardant

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

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 372833, dated November 2016. Surface Flammability test 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.

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, without a valid module D/E/F certificate.

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