

Approved Body authorised by the MCA

**UNITED KINGDOM CERTIFICATE OF TYPE APPROVAL**  
**Issued in accordance with**  
**The Merchant Shipping (Marine Equipment) Regulations 2016 SI**  
**2016/1025 as amended**

**Certificate Number: 164.112/1121/WCL MER0496TE**

Applicant:-	<b>F Ball and Co. Ltd.</b>	Manufacturer:-	<b>F Ball and Co. Ltd.</b>
Address:-	<b>Station Road, Cheddleton, Leek, Staffordshire, ST13 7RS, UK</b>		<b>Station Road, Cheddleton, Leek, Staffordshire, ST13 7RS, UK</b>

This is to certify that the applicant has submitted details of a primary deck covering (Item No. UK/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.

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 2016 SI 2016/1025 as amended by the Merchant Shipping (Marine Equipment) (Amendment etc.) (EU Exit) Regulations 2019 SI 2019/470 and Merchant Shipping Notice MSN 1874 Amendment 4 (M+F), the certificate is issued.

The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/1121/WCL MER0496 as allowed by the Merchant Shipping (Marine Equipment) (Amendment) (UK and US Mutual Recognition Agreement) (EU Exit) Regulations 2019 SI 2019/1304 ('the Regulations') dated October 7th, 2019.



P. Duggan  
Certification Manager  
Warringtonfire Testing and Certification Limited  
Holmesfield Road  
Warrington WA1 2DS

Date of issue: 01/01/2021  
Date of expiry: 13/11/2021

## 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 <b>Exova Warringtonfire</b> )
Weight per unit area		26.34kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
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 <sup>2</sup> per kg
	Specific gravity	1.01
	Application method	Notched spreader (TKB A1)
	Flame retardant details	<b>See Note 1 below</b>
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

**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 The Merchant Shipping (Marine Equipment) Regulations 2016 SI 2016/1025 as amended, for use on Ships Registered in the United Kingdom.

### **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<sub>t</sub>) and peak heat release (Q<sub>p</sub>) as stated in IMO Fire Test Procedures Code, Annex 2 Section 2.2.

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Note A: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

Note B: Should the specified Regulations or standards be amended during the period of validity of this certificate, the product(s) is/ are to be re-approved prior to it/ they being placed on the UK market and on board vessels to which the amended regulations of standards apply.

Note C: The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body.

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