

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 MER0402TE

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

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

“Styccobond F81”

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.

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.

This equipment is covered by the scope of 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. The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/1121/WCL MER402.



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

Date of issue: 01/01/2021
Date of expiry: 05/02/2025

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 | | Epoxy based flooring adhesive applied to a calcium silicate based board substrate |
| Overall thickness | | 25.43mm (determined by Warringtonfire Testing and Certification Limited) |
| Overall weight per unit area | | 28.73kg/m ² (determined by Warringtonfire Testing and Certification Limited) |
| Adhesive | Generic type | Epoxy based flooring adhesive |
| | Trade name | "Styccobond F81" |
| | Formulation reference | "F3676" (Resin), "F3189" (Hardener) |
| | Name of manufacturer | F. Ball and Co. Ltd. |
| | Colour | Green (mixed) |
| | Specific gravity | 1.27 |
| | Application rate | 2.7m ² per kg |
| | 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 | Generic type | Calcium silicate based board |
| | Trade name | "MONALITE M1A" |
| | 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 was unwilling to provide this information. |

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 422524, dated January 2020, Surface Flammability test to IMO Resolution MSC 307(88) Annex 1: Part 5.

Warringtonfire Testing and Certification Limited and Testing Certification
Holmesfield Road
Warrington
WA1 2DS

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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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