

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: 164.106/1121/WCL MER0528TE

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 heavy duty flooring smoothing underlayment (item number UK/3.1) with low flame-spread characteristics and low smoke and toxic fume emissions known and designated as:-

"Stopgap 300 HD"

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.
- 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 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 164.106/1121/WCL MER0528 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: 20/02/2024

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		Heavy-duty floor smoothing underlayment system
Cementitious product (Test face)	Generic type	Cementitious smoothing underlayment
	Product reference	"Stopgap 300 HD"
	Name of manufacturer	F. Ball and Co. Ltd.
	Colour	"Grey"
	Application thickness	2mm to 15mm
	Application method	Trowel
	Density	See Note 1 below
	Flame retardant details	See Note 2 below
Curing process	No specific curing procedures were carried out after the compound was applied	
Coating product	Generic type	Acrylic primer
	Product reference	"Stopgap P141"
	Name of manufacturer	F. Ball and Co. Ltd.
	Colour	"Yellow"
	Number of coats	One
	Application rate	13m ² per litre
	Application method	Short or medium pile paint roller
	Specific gravity	1.4
	Flame retardant details	See Note 2 below
	Curing process	Allowed to dry at ambient conditions (from 15 minutes at 20°C)
Steel substrate	Generic type	Steel
	Product reference	A product reference is not assigned to this component
	Name of supplier	S & A Joinery
	Thickness	3mm
	Density	7850kg/m ³
	Flame retardant details	The substrate is inherently flame retardant

Note 1. The sponsor was unwilling to provide this information.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

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 407971 and WF 407972, formal and indicative Surface Flammability tests to IMO Resolution MSC 307(88) Annex 1: Part 5. Tested January 2019.
- 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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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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