

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 MER0390TE**

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

**"Stopgap 1200 Pro"**

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.
- 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, 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 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 MER0390 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: 08/04/2024

## 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		Low odour, cementitious smoothing underlayment applied to a 3mm thick steel substrate
Overall thickness of composite		32.74mm
Weight per unit area of composite		72.80kg/m <sup>2</sup>
Overall coating system thickness		30mm
Final coating product	Generic type	Cementitious smoothing underlayment
	Product reference	"Stopgap 1200 Pro"
	Name of manufacturer	F. Ball and Co. Ltd.
	Colour	"Grey"
	Number of coats	One
	Application thickness	30mm
	Application method	Trowel
	Density	1980kg/m <sup>3</sup>
	Flame retardant details	See Note 1 below
Curing process	No specific curing procedures were carried out after the product was applied	
First coating product	Generic type	Water based primer
	Product reference	"Stopgap P131"
	Name of manufacturer	F. Ball and Co. Ltd.
	Colour	"Green"
	Number of coats	One
	Application rate	10m <sup>2</sup> per litre
	Application method	Brush or paint roller
	Specific gravity	1.05
	Flame retardant details	See Note 1 below
Curing process	No specific curing procedures were carried out after the product was applied	
Substrate	Generic type	Mild steel
	Name of manufacturer	See Note 2 below
	Thickness	3mm
	Density	See Note 2 below
	Flame retardant details	The substrate is inherently flame retardant
Preparation details		Shot blasted
Brief description of manufacturing process of coatings		See Note 3 below

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

Note 2. The sponsor of the test was unable to provide this information

Note 3. 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 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 325363 (dated January 2013). Surface Flammability test to 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.

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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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