

Notified body No. 2812

## Certificate of Type Approval

**164.106/ERO2812/MED0390TE**

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

**Manufacturer:** F Ball and Co. Ltd.

**Authorised Representative:** F Ball and Co. Ltd.

**Address:** Station Road, Cheddleton, Leek,  
Staffordshire, ST13 7RS, UK

**Address:** Station Road, Cheddleton,  
Leek, Staffordshire, ST13 7RS,  
UK

This is to certify that the manufacturer has submitted details of a cementitious smoothing underlayment (Item number MED/3.1) with low flame-spread and low smoke and toxic fume emissions known and designated as:-

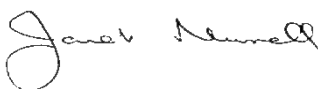
**“Stopgap 1200 Pro”**

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.

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 2020/1170/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 164.106/ERO2812/MED0390.



Janet Murrell  
Certification Manager - Marine

Date of issue: 2021-01-01  
Valid until: 2024-04-08

ERO project reference: **EROMED10190**  
**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**

CSF402-NL 0.1

## 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 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

- (1) WF 325363 (dated January 2013). Surface Flammability test to IMO Resolution MSC 307(88), Annex 1: Part 5.
- (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.

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