

Notified body No. 2812

## Certificate of Type Approval

**164.106/ERO2812/MED0528TE**

(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

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Leek,  
Staffordshire, ST13 7RS, UK

This is to certify that the manufacturer has submitted details of a heavy duty flooring smoothing underlayment (Item No. MED/3.1), with low flame spread characteristics and low smoke and toxicity, known and designated as:-

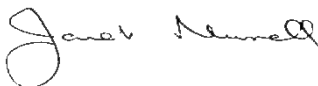
**“Stopgap 300 HD”**

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

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/MED0520.



Janet Murrell  
Certification Manager - Marine

Date of issue: 2021-01-01  
Valid until: 2024-02-20

ERO project reference: **EROMED10220**  
**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		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	<b>See Note 1 below</b>
	Flame retardant details	<b>See Note 2 below</b>
	Curing process	No specific curing procedures were carried out after the compound was applied
	Coating product	Generic type
Product reference		"Stopgap P141"
Name of manufacturer		F. Ball and Co. Ltd.
Colour		"Yellow"
Number of coats		One
Application rate		13m <sup>2</sup> per litre
Application method		Short or medium pile paint roller
Specific gravity		1.4
Flame retardant details		<b>See Note 2 below</b>
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 <sup>3</sup>
	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 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

- 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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