Notified Body No. 2812

Type-Examination (Module B) Certificate

ERO2812/MED0364TERev.1

This is to certify that:
Element Materials Technology Rotterdam B.V. (ERO) did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU of 23rd July 2014, subject to any conditions in the schedule attached hereto.

Manufacturer	
Name	Forbo Flooring UK Limited
Address	High Holborn Road, Ripley, Derbyshire, DE5 3NT, UK
Authorised Representative	
Name	Forbo Flooring Coral N.V.
Address	Vlietsend 20A, Krommenie, The Netherlands
Directive reference	Marine Equipment Directive (MED) 2014/90/EU of 23rd July 2014 and Regulation 2025/1533/EU of 23rd July 2025
Regulation Item	Item Number MED/3.18c: Surface materials and floor coverings with low flame-spread characteristics – floor coverings
Product Type	"Flotex FR"
Product description	Flocked flooring tested adhered to a 3mm thick mild steel substrate utilizing "Eurocol 640 Eurostar Special" adhesive as per detail in Attachment to this certificate
Specified Standard	SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 and X/3, IMO Res. MSC.307(88)-(2010 FTP Code), as amended, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7, IMO MSC/Circ. 1120.

The attached schedule of approval forms part of this certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

Pascal Coget
General Manager – European Certification

Date of Issue/Re-issue: **08/10/2025**
Expiry date: **06/10/2030**
ERO project reference: 034621 P2746

Notes:

- 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.1/2008 dated February 18th, 2019 according to U.S Coast Guard approval category 164.117
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- 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 notified body named on this certificate.
- During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by the Notified Body.

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Appendix to Type-Examination Certificate

Schedule of Approval

The applicant declared that the following comprises an accurate description of the system type to which this certificate applies:

General description			Flocked flooring which was tested adhered to a 3mm thick mild steel substrate utilizing “Eurocol 640 Eurostar Special" adhesive
Carpet	Product reference		“FLOTEX FR”
	Name of manufacturer		Forbo Flooring UK Ltd
	Overall thickness		3.3mm
	Overall weight per unit area		1230g/m²
	Colour		Any permitted
	Carpet tile construction		Flocked
	Print (pile surface)	Generic type	Acid / metallised dyes
		Product reference	**See Note 1 below**
		Name of manufacturer	**See Note 1 below**
		Application method	Rotary screen printing
		Application rate	**See Note 1 below**
		Colour	Any
		Flame retardant details	**See Note 2 below**
	Pile	Generic type	Nylon 6.6
		Product reference	**See Note 1 below**
		Name of manufacturer	**See Note 1 below**
		Pile height above the backing	Approximately 2mm
		Weight per unit area	250g/m²
		Colour	Grey (observed by Warringtonfire)
		Flame retardant details	**See Note 2 below**
	Pile (flock) adhesive	Generic type	Acrylic plastisol
		Product reference	**See Note 1 below**
		Name of manufacturer	**See Note 1 below**
		Colour	Grey
		Thickness	Approximately 0.25mm
		Weight per unit area	300g/m²
		Flame retardant details	**See Note 1 below**
	Fibreglass nonwoven #1	Generic type	Wet laid fibreglass nonwoven
		Product reference	**See Note 1 below**
		Name of manufacturer	**See Note 1 below**
		Thickness	0.55mm
		Weight per unit area	58g/m²
		Flame retardant details	**See Note 2 below**

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Carpet (continued)	Fibreglass nonwoven #1	Generic type	Fibreglass laid scrim
		Product reference	**See Note 1 below**
		Name of manufacturer	**See Note 1 below**
		Thickness	Approximately 0.2mm
		Weight per unit area	27g/m²
		Flame retardant details	**See Note 2 below**
	Backing	Generic type	Polyvinyl chloride (PVC) plastisol
		Product reference	"RWP 15"
		Name of manufacturer	Forbo Flooring UK Ltd
		Thickness	1.0mm
		Weight per unit area	600g/m²
		Flame retardant details	**See Note 2 below**
Adhesive		Generic type	Acrylic dispersion
		Product reference	"Eurocol 640 Eurostar Special"
		Name of manufacturer	Forbo Eurocol BV
		Application rate	250g/m²
		Application method	A2 notched trowel
		Flame retardant details	**See Note 2 below**
Substrate		Generic type	Mild steel
		Product reference	A product reference is not assigned to this component
		Name of supplier	S & A Joinery
		Thickness	3mm
		Density	7850kg/m³
		Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process			The back coating is applied to the fibreglass nonwoven and a fibreglass laid scrim is added. After gelling, the material is inverted and the flock adhesive is applied. The nylon pile is then electrostatically flocked into the liquid adhesive. After curing the product is printed.

Note 1. The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

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

Type Examination documentation

Test report No.	Date of report	Product reference	Test method
504588	28th June 2021	“Flotex FR”	IMO Res, MSC.307(88)-(2010 FTP Code): Annex 1: Part 5
504596	24th August 2021	“Flotex FR”	IMO Res, MSC.307(88)-(2010 FTP Code): Annex 1: Part 2
533236	1st October 2025	“Flotex FR”	IMO Res, MSC.307(88)-(2010 FTP Code): Annex 1: Part 5
533237	1st October 2025	“Flotex FR”	IMO Res, MSC.307(88)-(2010 FTP Code): Annex 1: Part 2

Production Locations:

Place of production E14097-1 E14097-3

Restrictions of use

- May be adhered (as described) to any low flame-spread floor covering, steel or non-combustible material.

Marking

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 the Directive is fully complied with.