

Notified body No. 2812

Certificate of Type Approval

164.112/ERO2812/ MED00569TE

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

Manufacturer: HMG Powder Coatings

Address: Dill Road, Castlereagh Industrial Estate, Belfast, BT6 9HU, Northern Ireland

**Authorised Representative:
Address:**

HMG Powder Coatings

Dill Road, Castlereagh Industrial Estate, Belfast, BT6 9HU, Northern Ireland

This is to certify that the applicant has submitted details of a a paint system (Item Number MED/3.18b Paint Systems), known and designated as:-

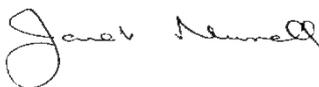
“HMG 827 Series Powder Coating”

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 (Qt) and peak heat release (Qp) as stated in IMO Fire Test Procedures Code, Annex 2 Section 2.2

The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 2017 and also the Marine Equipment Directive 2014/90/EU as amended) and the implementing regulation 2019/1397/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 164.112/ERO 2812/MED0569.



Janet Murrell
Certification Manager - Marine

Date of issue: 2021-01-01
Valid until: 2025-12-10

ERO project reference: **EROMED10319**
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		Polyester powder coating – “827 Series” – Gloss and Matt finishes
Name of manufacturer		HMG Powder Coatings Limited
Overall thickness		1.07mm
Overall weight per unit area		7900g/m ² (stated by sponsor) 12092.74g/m ² (determined by Warringtonfire)
Final coating product (Test face)	Generic type	Polyester powder coating
	Product reference	“HMG Series Powder Coating” – Gloss and Matt finishes
	Name of manufacturer	HMG Powder Coatings Limited
	Colour	Any colour
	Number of coats	1
	Application thickness / rate	70±10 microns / 101.5±3.5g/m ²
	Specific gravity	1.45
	Application method	Corona electrostatic spray
	Flame retardant details	See Note 1 below
Curing process	Gas-fired oven: 10 mins at 200°C metal temperature	
Substrate	Generic type	Steel
	Product reference	None assigned
	Name of manufacturer	See Note 2 below
	Thickness	1mm
	Weight per unit area / density	7800g/m ² / Steel density: 7.8
	Amount of flame retardant	See Note 1 below
Brief description of manufacturing process of coatings		Dry mixing, extrusion and milling of mixture of resins, pigments and additives

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

Note 2. The sponsor was unable 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

- WF 435846 and WF 435847 (dated December 2020): Surface Flammability test to IMO Resolution MSC 307(88) (2010 FTP Code): Annex 1: Part 5.
- Smoke and Toxicity is satisfied by meeting the total heat release (Qt) and peak heat release (Qp) as stated in IMO Fire Test Procedures Code, Annex 2 Section 2.2

Element Materials Technology Rotterdam BV
Zekeringstraat, 1014 BV, Amsterdaml The Netherlands

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