

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: 164.112/1121/WCL MER0569TE

| | | | |
|--------------------|---|-----------------------|---|
| Applicant:- | HMG Powder Coatings | Manufacturer:- | HMG Powder Coatings |
| Address:- | Dill Road, Castlereagh Industrial Estate, Belfast, BT6 9HU, Northern Ireland | Address:- | Dill Road, Castlereagh Industrial Estate, Belfast, BT6 9HU, Northern Ireland |

This is to certify that the applicant has submitted details of a paint system (item number UK/3.18b), 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

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.

This equipment is covered by the scope of 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. The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.112/1121/WCL MER0569.



P. Duggan
Certification Manager
Warringtonfire Testing and Certification Limited
Holmesfield Road
Warrington WA1 2DS

Date of issue: 01/01/2021
Date of expiry: 10/12/2025

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 Testing and Certification Limited) |
| 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 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 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

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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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