



# EC TYPE EXAMINATION (MODULE B)

CERTIFICATE No. MED004721CS

***This is to certify*** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2020/1170.

MED Item N°	<b>MED/3.18b</b>
USCG Category N°	<b>164.112</b>
Description	<b>Surface materials and floor coverings with low flame-spread characteristics: (b) paint systems</b>
Type	<b>MP3</b>
Applicant	<b>MARCEGAGLIA CARBON STEEL S.P.A.</b> VIA BRESCIANI 16 46040 Gazoldo Degli Ippoliti (MN) ITALY
Testing standards	<b>IMO Res. MSC.307(88)-(2010 FTP Code)</b>
Reference standards	<b>Chap. II-2 and X of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment</b>

Issued in Genoa on  
January 20, 2021

*This Certificate is valid until*  
January 19, 2026

*This Certificate consists of this sheet plus an attachment*

**Enrico Cabella**

RINA Services S.p.A.

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**ATTACHMENT TO  
CERTIFICATE No. MED004721CS**

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*Manufacturer*

**MARCEGAGLIA RAVENNA S.P.A.**

*Place of Manufacturer*

VIA BAIONA 141

48123 Ravenna (RA)

ITALY

**Product description**

Painting system composed of the following layers from the face exposed to fire:

1<sup>st</sup> layer: finishing enamel M1305, thickness 0.025 mm, density 1543 kg/m<sup>3</sup>, white colour;

2<sup>nd</sup> layer: primer MP301, thickness 0.005 mm, density 1399 kg/m<sup>3</sup>, grey colour;

3<sup>rd</sup> layer: HDG galvanised steel, thickness 0.58 mm, density 7850 kg/m<sup>3</sup>;

4<sup>th</sup> layer: back coat MB308, thickness 0.007 mm, density 1475 kg/m<sup>3</sup>, grey colour.

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**Field of application**

As finishing material for all exposed interior and concealed or inaccessible surfaces.

The product may be applied to any metallic support having a thickness  $\geq 0.44$  mm.

On the basis of the value of the total heat release ( $Q_t$ ) and on the basis of the value of the peak heat release ( $q_p$ ) the material is deemed not generating excessive quantities of smoke nor toxic products in fire according to Annex 2 IMO 2010 FTP Code.

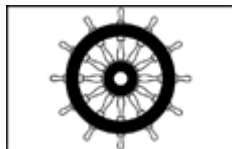
**Tests carried out**

Tests as per Istituto Giordano Test report No. 374946 dated 16 September 2020 issued according to:

- IMO 2010 FTP Code Part 5

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*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 Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body*



**XXXX/YYYY**

**"WHEELMARK FORMAT"**

XXXX      *Notified Body number undertaking surveillance module*

YY        *Last two digits of year mark affixed*

**USCG Approval**

This product has been assigned a U.S. Coast Guard module B number (*USCG number: 164.112/EC0474*) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" as amended by Decision N. 1/2018 signed on 18th February 2019.

The manufacturer is allowed to affix the U.S. Coast Guard approval number to the above equipment subject to the authorization of the Notified Body undertaking the surveillance module.

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***General conditions for the approval***

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.




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**Enrico Cabella**

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