

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) 2017/306.

<i>MED Item N°</i>	MED/3.18a
<i>USCG Category N°</i>	164.112
<i>Description</i>	Surface materials and floor coverings with low flame-spread characteristics: (a) decorative veneers
<i>Type</i>	GAMMASTONE AIR
<i>Applicant</i>	GAMMASTONE SRL VIA FLAMINIA 148 00068 Rignano Flaminio (RM) ITALY
<i>Testing standards</i>	IMO Res. MSC.307(88)-(2010 FTP Code)
<i>Reference standards</i>	Chap. II-2 and X of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment
<i>Issued in Genoa on</i>	<i>This Certificate is valid until</i>
May 15, 2018	May 14, 2023

This Certificate consists of this sheet plus an attachment



Enrico Cabella
RINA Services S.p.A.

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Manufacturer

GAMMASTONE SRL

Place of Manufacturer

VIA FLAMINIA 148
00068 Rignano Flaminio (RM)
ITALY

Product description

System composed of:

- a stainless steel sheet with a thickness of 0.5 mm;
- adhesive 0.1 mm thick, mass per area 230 g / m² produced by Sika
- structural polymer produced by GammaStone with a thickness of 10 mm and mass per area 120 g/m².
- glass fiber network produced by Glass Industrie, 0.5 mm thick, mass per area 250 g/m².
- 7 mm thickness natural stone slab.

Measured thickness (mm) 18 ± 5 %

Field of application

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

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.

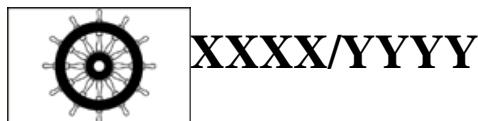
Tests carried out

Tests as per RINA Test Laboratory Reports No. 2018CS01366/1, 2018CS01366/2 and 2018CS01366/3 dated 7 May 2018 issued according to:

- IMO 2010 FTP Code Part 5
- ISO 1716: 2010

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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



"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" signed February 27th, 2004.

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.

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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