EC TYPE EXAMINATION (MODULE B)

CERTIFICATE No. MED448622CS

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) 2022/1157.*

MED Item N°	**MED/3.18b**
USCG Category N°	**164.112**
Description	**Surface materials and floor coverings with low flame-spread characteristics: (b) paint systems**
Type	**RIVESTIMENTI CON VERNICI A POLVERE**
Applicant	**ATENA SPA** VIA ALCIDE DE GASPERI 52 30020 Gruaro (VE) ITALY
Testing standards	**IMO Res. MSC.307(88)-(2010 FTP Code)**
Reference standards	**Chap. II-2 and X of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment**

Issued in Genoa on
December 12, 2022

This Certificate is valid until
December 11, 2027

This Certificate consists of this sheet plus an attachment

Enrico Cabella
RINA Services S.p.A.

This document is a copy of a digitally signed file available on Rina Web Site: http://www.rina.org

RINA Services S.p.A.
Via Corsica, 12 - 16128 Genova - Italia
Tel. +39 010 53851
Fax. +39 010 5351000

ATTACHMENT TO CERTIFICATE No. MED448622CS

Manufacturer
ATENA SPA

Place of Manufacturer
VIA ALCIDE DE GASPERI 52
30020 Gruaro (VE)
ITALY

Products description

Painting system applied on metallic supports composed of one layer of polyester powder named named 68076 INVERBOND POLIEST./Q TGIC FREE RAGG MIC RAME produced by Inver Spa - Minerbio (BO)

- Mass per area (g/m^2): 100 ± 10%
- Thickness (mm): 0,060 ± 10%

Painting system applied on metallic supports composed of one layer of polyester powder named 67926 INVERBOND POLIEST./Q TGIC FREE RAGG MIC BLU produced by Inver Spa - Minerbio (BO)

- Mass per area (g/m^2): 85 ± 10%
- Thickness (mm): 0,060 ± 10%

Painting system applied on metallic supports composed of one layer of polyester powder named INTERPON POLIESTERE TGIC FREE produced by Akzo Nobel Coatings Spa - Trezzano sul Naviglio (MI)

- Mass per area range (g/m^2): from 100 to 130 ± 10%
- Thickness range (mm): from 0,060 to 0,085 ± 10%

Painting system applied on metallic supports composed of one layer of polyester powder named STARDUST PE produced by Stardust Powder Coatings Srl - Avezzano (AQ)

- Mass per area (g/m^2): 122 ± 10%
- Thickness (mm): 0,085 ± 10%

Painting system applied on metallic supports composed of one layer of polyester powder named TIGER DRYLAC produced by Tiger Coatings GMBH & CO. - Bergamo (BG)

- Mass per area (g/m^2): 126 ± 10%
- Thickness (mm): 0,085 ± 10%

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Field of application

As bulkhead and ceiling finishing material. The product may be applied to any metallic support having a thickness ≥ 0,52 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 RINA Test Laboratory reports No. 2010CS014265 dated 24 November 2010 issued according to IMO Res. A.653(16).

Tests as per LAPI - Laboratorio Prevenzione Incendi Test Laboratory reports No. 411.4IMO100/10 and No. 412.4IMO100/10 dated 6 April 2010 issued according to IMO Res. A.653(16) and ISO 1716.

Tests as per RINA Test Laboratory reports No. 2017CS012745/1, /2, /3, /4, /5 and /6 dated 14 December 2017 issued according to:

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

This certificate annuls and replaces the certificate No. MED274517CS/002 dated 12/14/2017 due to renewal.

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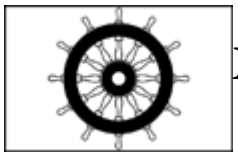
The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*

YY *Last two digits of year mark affixed*

USCG Approval marking

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 according to U.S. Coast Guard approval category **164.112**.

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.

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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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