



## EC TYPE EXAMINATION (MODULE B)

CERTIFICATE Nr. MED319116CS

*This is to certify that RINA Services S.p.A. 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 (EU) 2015/559.*

<i>MED Item N°</i>	<b>A.1/3.18b</b>
<i>USCG Category N°</i>	<b>164.112</b>
<i>Description</i>	<b>Surface materials and floor coverings with low flame-spread characteristics - (b) paint systems</b>
<i>Type</i>	<b>DPS-DIP PRINT</b>
<i>Applicant</i>	<b>DPS TECHNOLOGY &amp; COLORS SRL</b> P.ZZA RISORGIMENTO 21 20831 SEREGNO (MB) ITALY
<i>Testing standards</i>	<b>IMO Res. MSC.307(88)-(2010 FTP Code)</b>
<i>Reference standards</i>	<b>Chap. II-2 and X of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment</b>

*Issued at Genoa on*  
November 10, 2016

*This Certificate is valid until*  
November 9, 2021

*This Certificate consists of this sheet plus an attachment*



**Massimo Dinale**  
RINA Services S.p.A.



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*Manufacturer*

**DPS TECHNOLOGY & COLORS SRL**

*Place of Manufacturer*

VIA DELL'INDUSTRIA 4/6  
20833 GIUSSANO (MB)  
ITALY

**Product description**

Painting system composed of 3 layers:

1st layer: polyacrylic paint called "ALC5822" produced by COLORSYSTEM VERNICI SRL.- Cantù (CO) (thickness range 0,030 – 0,040 mm and mass per area range 50 - 56 g/m<sup>2</sup>)

2nd layer: PVA film and organic pigments called "FILM DIP PRINT" produced by POZZI SaS - 22060 AROSIO (CO) ( thickness 0.03 ± 15% mm and mass per area of 40 g/m<sup>2</sup>)

3rd layer: two-component paint based on acrylic resins called "ACRIPLAST CLEAR SEMIOPACA", produced by COLORSYSTEM VERNICI SRL.- Cantù (CO) ( thickness range 0,025 – 0,030 mm and mass per area range of 52 - 58 g/m<sup>2</sup>).

Thickness (mm)                      0,090 ± 15%

Mass per area (g/m<sup>2</sup>)    120 ± 20%

**Field of application**

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

When intended for bulkhead and ceiling the product may be applied to any metallic support having a thickness ≥ 0,56 mm. When intended for deck the product may be applied to any non-combustible support, any metallic support or any material having low flame spread characteristics.

On the basis of the value of the total heat release (Q<sub>t</sub>) and on the basis of the value of the peak heat release (q<sub>p</sub>) 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 Nos. 2016CS013191/1 and 2016CS013191/2 dated 4 November 2016 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*



**XXXX/YYYY**

**"WHEELMARK FORMAT"**

**XXXX** Notified Body number undertaking surveillance module

**YYYY** The year in which the mark is 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 27<sup>th</sup>, 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 reappraised prior to it being placed on board vessels to which the amended regulations or standards apply.



**Massimo Dinale**