



LAPI LABORATORIO PREVENZIONE INCENDI S.p.A.  
Sede Primaria: I-59100 PRATO - Via della Quercia, 11  
Telefono +39 0574.575.320 - Telefax +39 0574.575.323  
Sede Secondaria: I-50041 CALENZANO (FI) - Via Petrarca, 48  
e-mail: lapi@laboratoriolapi.it  
web site: www.laboratoriolapi.it

Notification N°0987

Item: MED/3.18(b)

Certificate N°0987/MED-B/822 Rev.1

**MRA Mutual Recognition Agreement on Marine Equipment EC-US**

## EC TYPE-EXAMINATION CERTIFICATE ( Module B )

Application Of:

DIRECTIVE 2014/90/EU of 23<sup>rd</sup> July 2014 and REGULATION (EU) 2018/773 of 15<sup>th</sup> May 2018

**Certificate N° 0987/MED-B/822 Rev. 1**

This Certificate consists of 2 pages

This is to certify that the product

**ARCOATED STANDARD**

(Thickness of metallic support  $\geq 0.5$  mm)

(Nom. Thickness of painting cycle: 25  $\mu$ m)

item: MED/3.18(b)

Product type:

**SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS:**  
**PAINTING SYSTEMS**

Supplied / Manufactured by:

**Acciaieria Arvedi S.p.A.**

Via Acquaviva, 18 - 26100 CREMONA (CR) - Italy

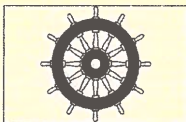
Complies with the requirements in the following Regulations/Standards:

**Annex B, Module B in the above Directive and as applicable:**

- SOLAS Reg. II-2/3, Reg. II-2/5, Reg. II-2/6, Reg. II-2/9, Reg. X/3
- SOLAS Reg. II-2/3, Reg. II-2/5, Reg. II-2/6, Reg. II-2/9, IMO Res. MSC 36 (63) - (1994 Code HSC) 7, IMO Res. MSC 97 (73) (2000HSC Code) 7, IMO Circ. MSC 1120
- IMO Res. MSC 307 (88) (FTP Code 2010)

**This product has been assigned a U.S. Coast Guard Module B number [N° 164.112/EC0987/MED822](#) to note type approval to Module B only as it pertains to obtaining US Coast Guard approval as allowed by the "Agreement between the European Community for Marine Equipment" signed February 27<sup>th</sup>, 2004.**

Further details of the product and conditions for certification are given overleaf



The Manufacturer is allowed to affix the Mark of conformity according to the Article 11 in the Council Directive 96/98/EC on Marine Equipment and issue a Declaration of Conformity, only when the Module D or E or F of Annex B in the same Directive is fully complied with.

Prato, 22/05/2019

The Technical Director

PROPOSED

Dr. Luca Ermini

The Certification Manager

APPROVED

Dr. Massimo Borsini

This certificate is valid until 18/12/2022

This Certificate is issued under the Authority of Ministero delle Infrastrutture e dei Trasporti Comando Generale del Corpo delle Capitanerie di Porto according to Decreto Ministeriale 13 September 2016 N° 861/2016.

Page 1/2



Notification N°0987

Item: MED/3.18(b)

Certificate N°0987/MED-B/822 Rev. 1

**Product description:**

Appearance: metallic plate (non-combustible support) with painted cycle.

**Painting cycle :**

<b>Denomination of the material</b>	ARCOATED STANDARD
<b>Description of the material</b>	Prepainted galvanized steel (PPGI)
<b>Overall thickness of the cycle (declared)</b>	25 µm (Side A)
<b>Overall thickness of the cycle (verified)</b>	22.50 µm (EN ISO 2808)
<b>Overall weight of the cycle</b>	30 g/m <sup>2</sup>

Component	Composition	Weight (g/m <sup>2</sup> )
<b>A) Painting cycle</b>		
TOP COAT	BECKRYPOL by Group Beckers - Polyester paint - Nominal thickness : 20 µm Or Salchi Metalcoat by SALCHI - Polyester paint - Nominal thickness : 20 µm Or ISVAPOL400 by ISVA - Polyester paint - Nominal thickness : 20 µm	24
PRIMER	BECKRYPRIM 200 - AP0001 PRIMER BIANCO SML by Group Beckers Epoxy primer - Nominal thickness : 5 µm	6
<b>B) Non-combustible support</b>		
Support	Galvanized steel plate - Thickness (nominal value): 0.695 mm	5434

Side exposed : surface painted.

Main use : linings for walls/ceilings (painting cycle).

Production batch by the Sponsor: n° 538020248 on 9<sup>th</sup> November 2018 (Re. Lab. 2768/18); n° 519006136 on 5<sup>th</sup> April 2019 and 519006555 on 10<sup>th</sup> April 2019 (Re. Lab. 726/19); n° 519006136 on 5<sup>th</sup> April 2019 and 519006555 on 10<sup>th</sup> April 2019 (Re. Lab. 727/19) c/o the factory of Acciaieria Arvedi S.p.A. located in Via Acquaviva, 18 - 26100 CREMONA (CR),

**Note: integrative tests have been effected on Laboratory references 726/19 and 727/19 to validate the extension to the suppliers SALCHI and ISVA, the extension to all colours and the extension to the minimum thickness of 0.5 mm for the support. The data obtained are reported in Communications 726.P/19 and 727.P/19 of 3 May 2019.**

**Applications / Limitations of use**

The material fulfils the requirements of **FTP Code (2010) Annex 1 Part 5 and FTP Code (2010) Annex 2, paragraph 2.2** as requested for materials not generating excessive quantities of smoke nor toxic products in fire.

Calorific value to be less than 45 MJ/m<sup>2</sup> when required.

The compliance is valid for the all the colours provided the following points are fulfilled:

1. The supplier of the paint system are only the ones reported above.
2. A total thickness of the nominal finished paint layer not exceeding 25 µm, at which a tolerance of 10% may be added after having checked the actual thickness of the painting cycle by UNI EN ISO 2808 Method 5 on the specimens submitted for testing.
3. A total weight of the paint not exceeding 30 g/m<sup>2</sup>.
4. The paint is applied on any metal substrate having thickness ≥ 0.5 mm in accordance with FTP Code (2010) Appendix 4 paragraph 3.

Moreover according to **Directive 2014/90/EU, Annex II Paragraph 3, a project examination and a risk evaluation have been carried out.** Concerning this aspect, the Sponsor has declared that the applicable standard cover all the reasonable risk that can be foreseen. This Notified Body maintains such a declaration in the files relative to the product object of this EC Type Examination.

**Type approval documentation**

Product	Test Report	Issued by
<b>ARCOATED STANDARD</b> (Thickness of metallic support ≥ 0.5 mm) (Nom. Thickness of painting cycle: 25 µm)	<ul style="list-style-type: none"> <li>• 2765.4IM0090/18 Measure of gross calorific value in accordance to FTP Code 307 (88) Ed. 2010 Annex 1 Part 5</li> <li>• 2765.4IM0100/18 Surface flammability test in accordance to FTP Code 307 (88) Ed. 2010 Annex 1 Part 5</li> </ul>	LAPI Laboratorio Prevenzione Incendi S.p.A. - Italy - Notified Testing Body N° 0987 EN 17025 Accredited Laboratory IMO Testing Laboratory SSE.1 / Circ. 1

===== End of Document =====