



## EC TYPE EXAMINATION (MODULE B)

No. MED141323CS/001

***This is to certify,*** that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la navigazione ed il Trasporto Marittimo ed Interno" on 25 November 1998, 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) 96/98/EC as modified by Directive (EU) 2022/1157

**MED Item N°**

**Description**

**Type**

**Applicant**

**Testing standards applied**

**Regulations specified and  
reference documents**

**MED/3.58**

**Fixed low expansion foam fire extinguishing systems  
components for machinery spaces and tanker deck protection  
PROFLON FP**

**PROFOAM SRL**

VIA MARCONI

21

28060 San Pietro Mosezzo (NO)

ITALY

**IMO MSC.1/Circ.1312, IMO MSC.1/Circ.1312/Corr.1.**

**SOLAS 74 Reg.II-2/10. IMO Res.MSC.98(73)-(FSS Code) 6, IMO  
Res.MSC.98(73)-(FSS Code) 14, IMO MSC/Circ.1239, IMO  
MSC.1/Circ.1276.**

**Issued in Genoa on  
July 11, 2023**

**This Certificate is valid until  
July 10, 2028**

*This Certificate consists of this sheet plus an attachment*

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**Giovanni Carratino**

*RINA Services S.p.A.*



**ATTACHMENT TO**  
**No. MED141323CS/001**  
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*Manufacturer*  
**PROFOAM SRL**

*Place of Manufacturer*  
VIA MARCONI  
21  
28060 San Pietro Mosezzo (NO)  
ITALY

**Technical Characteristics**

| Foam Concentrate PROFLON FP |  |
|-----------------------------|--|
| Type of foam concentrate    | Fluoroprotein low expansion foam concentrate (FP) - Type B |
| Mixing Ratio                | 3% - 6%  |
| Density at 20°C             | 1,155 g/cm <sup>3</sup>                                    |
| Viscosity at 20°C           | 8,58 cST   |
| pH at 20°C                  | 6,65   |
| Lowest temperature for use  | - 15 °C  |
| Expansion Ratio at 20 °C    | Mixing Ratio 3% : 7,32<br>Mixing Ratio 6% : 7,35           |
| Drainage 25%                | Mixing Ratio 3% : 6' 20"<br>Mixing Ratio 6% : 7' 32"       |

**Field of Application**

Fixed foam fire extinguishing systems using low expansion foam concentrate for extinguishing fires of following products at ambient temperature and pressure:

- Chemical products as per list of Chapter 17, International Bulk Chemical Code (column L - letters A,B and D)
- Chemicals products to which the IBC Code nor the BCH Code apply as per list set out in IMO MSC/Circ.553

**Test Carried Out**

- Test report n° FPE 5102 - 2003/CS/01/5102 witnessed by RINA on 28/11/2003 -12/12/2003 issued in compliance to IMO MSC/Circ.582 - "*Guidelines for the performance and testing criteria, and surveys of low-expansion foam concentrates for fixed fire-extinguishing systems*".

**Technical documentation**

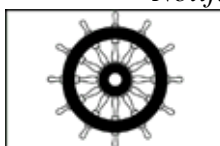
Datasheet PROFLON FP issued by PROFOAM and filed by RINA with n°CSST 10122.



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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 B 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*

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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 not 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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**Giovanni Carratino**