Certificate no.:
TAF00001X0

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Surface Material of Low Flame Spread

with type designation(s)
EUROBATEX

issued to
UNION FOAM S.p.A.
Bellusco, MB, Italy

is found to comply with
DNV offshore standards
DNV rules for classification – Ships
DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Approved for use as insulation material with low flame-spread characteristics, not generating excessive quantities of smoke nor toxic products in fire.

This certificate is recognised by Transport Canada.

Issued at **Høvik** on **2024-12-16**
This Certificate is valid until **2029-12-15**.
DNV local unit: **Italy/Malta CMC**

Approval Engineer: **Tessa Biever**

for **DNV**

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This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description
'EUROBATEX'
Self-adhesive elastomeric foam for pipe insulation covers.

Thickness: 3 mm – 50 mm
Density: approx. 55 kg/m^3

Application/Limitation
Approved for use as insulation material with low flame-spread characteristics, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use on non-combustible, non-metallic substrate with a greater thickness than 9 mm.

Approved for all color variations.
Max. organic content: 60%

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code Part 5.

The insulation with low-flame spread characteristics may be used in cargo spaces, mail rooms, baggage rooms and refrigerated compartments of service spaces as well as for cold service pipework/fittings for refrigeration systems (SOLAS Reg. II-2/5.3.1.1). Piping for hot and cold sanitary water is not regarded as "cold service pipework/fittings".

The product satisfies the requirement for maximum calorific value (SOLAS Ch. II-2, Reg 5.3.2.2) without further testing.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation
Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report No. 0968\DC\REA\23 dated 13 July 2023 from CSI S.p.A., Senago, Italy.
Test report No. 0245\DC\REA\24 dated 5 March 2024 from CSI S.p.A., Senago, Italy.
Test report No. 1439\DC\REA\24 dated 16 September 2024 from CSI S.p.A., Senago, Italy.

Tests carried out
Tested according to IMO 2010 FTP Code Part 5 and in compliance with Annex 2 item 2.2 and 2.3.

Marking of product
The product is to be marked with name of manufacturer, type designation and fire-technical rating.

Transport Canada Approval
Based on the procedures laid down in the Transport Canada Publication entitled " Procedures for Approval of Lifesaving Appliances, Fire Safety Systems, Equipment and Products (TP 14612)", DNV confirms that the product listed in this certificate is in accordance with Transport Canada's requirements.

Periodical assessment
DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNV-CP-0338, Section 4.

Manufactured by
Union Foam, Via dell'Industria 8, 20882 Bellusco (MB) Bellusco.