# TECHNICAL DATA SHEET n° 01 - Rev. 09

# EUROBATEX®

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|---|---|
| **Type of material:** | Black closed-cell flexible elastomeric foam (FEF). |
| **Product range:** | Tubes in pipes sections (also in a self-adhesive version) and coils with thicknesses from 6 to 60 mm and diameters from 6 to 170 mm.<br>Flat sheets or rolls (also in a self-adhesive version) with thicknesses from 6 to 60 mm.<br>Tapes with a thickness of 3 mm. |
| **Fields of application:** | Thermal insulation of refrigeration, air-conditioning and heat & plumbing services in commercial, industrial and domestic applications. |
| **Dimensional tolerances:** | In accordance with the European Standard EN 14304. |
| **Environmental information:** | Flexible and expanded CFC and HCFC-free rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero). |
| **Additional information:** | Self-adhesive material: the self-adhesive coating is based on modified acrylate reinforced with mesh structure. Protection liner made of polyethylene or paper foil. Traces of silicon can be found on the foil protecting the self-adhesive coating. |
| **Storage conditions/shelf life:** | Store the material in a dry and clean environment at a temperature between 0 °C and 35 °C and a RH between 50% and 70%. Do not expose the material to heat or direct sunlight before installing.<br>Self-adhesive products should not be kept in storage for more than one year. |

| PHYSICAL PROPERTIES | RESULT OBTAINED | TEST METHOD |
|---|---|---|
| **Operating temperature range*** | -45 °C + 110 °C | EN 14706/EN 14707 |
| **Thermal conductivity λ** | | |
| At a mean temperature of 0°C | Tubes THK ≤25mm ≤ 0.033 W/m·k<br>Tubes THK >25mm ≤ 0.035 W/m·k<br>Sheets THK ≤32mm ≤ 0.033 W/m·k<br>Sheets THK >32mm ≤ 0.034 W/m·k<br>Tapes ≤ 0.033 W/m·k | EN 12667 / EN ISO 8497 |
| At a mean temperature of + 40° C | Tubes THK ≤25mm ≤ 0.037 W/m·k<br>Tubes THK >25mm ≤ 0.039 W/m·k<br>Sheets THK ≤32mm ≤ 0.037 W/m·k<br>Sheets THK >32mm ≤ 0.038 W/m·k<br>Tapes ≤ 0.037 W/m·k | |
| **Water vapour diffusion resistance factor (μ)** | Tubes thk. 6-19 mm ≥ 10000<br>Sheets thk. 6-25 mm ≥ 10000<br>Tapes ≥ 10000<br>Tubes thk. 25-40 mm ≥ 7000<br>Sheets thk. 30-40 mm ≥ 7000 | EN 13469 / EN 12086 |
| **Water absorption** | < 0,1 kg/m$^2$ | EN 13472/EN 1609 |
| **Fire performance** | | |
| **European standard** | Tubes $B_L$-s2,d0<br>Tapes B-s2,d0<br>Sheets B-s3,d0<br>Sheets 60mm E | EN 13501 -1 |
| **UK:** | | |
| Fire propagation | i1 ≤ 6.0 | BS476: Part 6 |
| Surface spread of flame | Class 1 | BS476: Part 7 |
| Building Regulations | Class 0 | BS476: Part 6 and 7 |
| **USA, Canada** | UL Approved | UL 94 |
| | Flame Class V-0, up to 13mm<br>Flame Class V-0, HF-1 - 3mm | UL 746 A, UL 746 B |
| **Shipyards (MED)** | Meets test requirements | IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (Directive MED 2014/90/UE Modules B and D) |
| **Ozone resistance** | Excellent | ISO 7326 |
| **Antimicrobial behaviour** | Meets test requirements | AATCC test method 30-2004 |
| **Corrosion risk** | Meets test requirements | EN 13486 |

*NB: for applications at lower temperature please contact our technical department.

For information regarding the chemical resistance of the product please consult the specific technical documentation.

For self-adhesive sheets and tapes, the maximum operating temperature standard is +90 °C. For applications at higher temperature please contact our technical department.

**System 1 CE Marking** in accordance with the European Standard EN 14304

Certification of Constancy of Performance issued by CSI S.p.A. - Bollate IT-20021

The product meets the requirements for the achievement of the Eco-Bau classification.

All the normatives quoted in this document are updated to the latest issued version.

For outside uses Eurobatex should be protected with Union Covering or Vec elastomeric paint.

Union Foam S.p.A. reserves the right to modify any information at any time without prior notice.

UNION FOAM

advanced elastomeric thermal and acoustic insulation materials