

# EUROBATEX® ECOPLUS

<b>TYPE OF MATERIAL:</b>	EPDM based, black closed-cell flexible elastomeric foam (FEF) without halogens (Chlorine, Bromine, Fluorine) and PVC
<b>PRODUCT RANGE:</b>	Tubes in pipe sections with thickness from 13 to 25 mm and bore sizes from 15 to 89 mm. Sheets in roll (also in self-adhesive version) from 13 to 25 mm. Tapes with a thickness of 3 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration and air conditioning services in industrial, commercial and institutional applications working also with high temperature medium. Especially suitable when high fire safety standards or specific UV and weather resistance are required
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14304
<b>ENVIRONMENTAL INFORMATION:</b>	CFC and HCFC-free flexible and expanded rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero)
<b>ADDITIONAL INFORMATIONS:</b>	Self-adhesive material: acrylate based adhesive coating reinforced with mesh structure. Protection liner made of polyolefin foil. Traces of silicon can be found on the foil protecting the self-adhesive coating
<b>STORAGE CONDITIONS / SHELF LIFE:</b>	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. Self-adhesive products should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>OPERATING TEMPERATURE RANGE**</b>	-45 °C +150 °C		EN 14706 / EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	$\lambda \leq 0,042 \text{ W/m}\cdot\text{K}$	EN 12667 / EN ISO 8497
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 2000$		EN 13469 / EN 12086
<b>WATER ABSORPTION</b>	<0,1 kg/m <sup>2</sup>		EN 13472 / EN 1609
<b>FIRE PERFORMANCE</b>	European Standard Euroclasse	Tubes: D <sub>L</sub> -s1,d0 Sheets for linear application <sup>1</sup> : D <sub>L</sub> -s1,d0 Sheets: E	EN 13501-1
	USA, Canada	Approved UL Flame Class HBF	UL 94 UL 746 A - UL 746 B
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

\*NB: for application at lower temperatures please contact our technical department.

<sup>1</sup>: up to a maximum outer insulation diameter of 300mm. Maximum insulation thickness available: 25mm.

For self-adhesive products the maximum operating temperatures is +90 °C. For applications at higher temperatures please contact our technical department.

**System 3 CE Marking** in accordance with the European Standard EN 14304

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

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