

EUROBATEX® ISOLTEC

TYPE OF MATERIAL:	Black closed-cell flexible elastomeric foam (FEF) coupled with a 3 layered coating; PVC, aluminium and UV resistant film
PRODUCT RANGE:	Pipe sections of 1 m length, in thicknesses from 9 mm to 60 mm and diameters from 15 mm to 170 mm. Sheets in rolls (also in self-adhesive version) with thicknesses from 6 mm to 50 mm
FIELDS OF APPLICATION:	Thermal insulation for commercial and industrial applications involving cold and hot ducts, large pipes and vessels, also for external 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: acrylate based adhesive coating reinforced with mesh structure. Protection liner made of polyolefin. Traces of silicon can be found on the protective foil of the adhesive coating
STORAGE CONDITIONS/SHELF LIFE:	Store the material in a dry and clean environments 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 when stored. 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	At a mean temperature of 0 °C	Tubes ≤25 mm: $\lambda \leq 0,033$ W/m·K Tubes >25 mm: $\lambda \leq 0,035$ W/m·K Sheets ≤32 mm: $\lambda \leq 0,033$ W/m·K Sheets >32 mm: $\lambda \leq 0,034$ W/m·K	EN 12667 / EN ISO 8497
	At a mean temperature of +40 °C	Tubes ≤25 mm: $\lambda \leq 0,037$ W/m·K Tubes >25 mm: $\lambda \leq 0,039$ W/m·K Sheets ≤32 mm: $\lambda \leq 0,037$ W/m·K Sheets >32 mm: $\lambda \leq 0,038$ W/m·K	
WATER VAPOUR DIFFUSION RESISTANCE FACTOR	$\mu \geq 10000$		EN 13469 / EN 12096
FIRE PERFORMANCE	European Standard Euroclass	Tubes: C _L -s2,d0 Sheets: C-s3,d0	EN 13501-1
UV RESISTANCE	Excellent		UNI ISO 4892-2

CHARACTERISTICS OF THE COATING

PHYSICAL PROPERTIES	UNIT OF MEASURE	REFERENCE VALUES	TEST METHOD
COLOUR	-	Aluminium	-
WEIGHT	g/m ²	≈ 400	EN 22-286
THICKNESS	µm	280 ± 5	-
BREAKING LOAD	N/mm ²	> 35	EN ISO 527-3
ELONGATION AT BREAK	%	40	EN ISO 527-3
TEAR RESISTANCE	N	80	EN ISO 527-3
PERFORATION RESISTANCE Ø 0,3 mm	N	100	EN 14477
UV STABILITY TEST	-	Excellent	-
AIR LAYER THICKNESS (SD)	m	> 1500	-
EMISSIVITY ε	-	0,94	-

*NB: for application at lower temperatures please contact our technical department. For self-adhesive sheets, the maximum operating temperature is +90 °C.

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.

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.