

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. 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	At a mean temperature of 0 °C	Tubes thk. ≤25 mm: $\lambda \leq 0,033$ W/m·K Tubes thk. >25 mm: $\lambda \leq 0,035$ W/m·K Sheets thk. ≤32 mm: $\lambda \leq 0,033$ W/m·K Sheets thk. >32 mm: $\lambda \leq 0,034$ W/m·K	EN 12667 / EN ISO 8497
	At a mean temperature of +40 °C	Tubes thk. ≤25 mm: $\lambda \leq 0,037$ W/m·K Tubes thk. >25 mm: $\lambda \leq 0,039$ W/m·K Sheets thk. ≤32 mm: $\lambda \leq 0,037$ W/m·K Sheets thk. >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 ₁ -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 information regarding the chemical resistance of the product please consult the specific technical documentation.
 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.