

TECHNICAL DATA SHEET N° 01 - REV. 12

EUROBATEX®



TYPE OF MATERIAL:	Black closed-cell flexible elastomeric foam (FEF)
PRODUCT RANGE:	Tubes in pipe sections (also in self-adhesive version) and coils with thicknesses from 6 mm to 60 mm and diameters from 6 mm to 170 mm. Flat sheets or rolls (also in self-adhesive version) with thicknesses from 6 mm to 60 mm. Tapes with a thickness of 3 mm
FIELDS OF APPLICATION:	Thermal insulation of refrigeration, air conditioning and heating & 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). Environmental Product Declaration: registration number EPDITALY0093, released on 21/02/2020, 5 years validity, UNCPC code 3623
ADDITIONAL INFORMATION:	Self-adhesive material: acrylate based adhesive coating reinforced with mesh structure. Protection liner made of polyolefin 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 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 Tapes: $\lambda \leq 0,033$ 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 Tapes: $\lambda \leq 0,037$ W/m-K	
WATER VAPOUR DIFFUSION RESISTANCE FACTOR	Tubes thk. ≤19 mm: $\mu \geq 10000$ Sheets thk. ≤25 mm: $\mu \geq 10000$ Tapes: $\mu \geq 10000$ Tubes thk. ≥25 mm: $\mu \geq 7000$ Sheets thk. ≥30 mm: $\mu \geq 7000$	EN 13469 / EN 12086
WATER ABSORPTION	<0,1 kg/m ²	EN 13472 / EN 1609
FIRE PERFORMANCE	European Standard Euroclass Tubes: B _L -s2,d0 Sheets: B-s3,d0 Sheets 60 mm: E Sheets for linear application ¹ : B _L -s2,d0 Tapes: B-s2,d0	EN 13501-1
	FM Approval Class 4924 Product Type: Pipe and Duct insulation	Test Procedure Class Number 4924 UCB Standard No. 26-3
	UK Fire propagation Surface spread of flame Building Regulations i1 ≤ 6.0 Class 1 Class 0	BS476: Part 6 BS476: Part 7 BS476 Parts 6 and 7
	USA, Canada UL Approved Flame Class V-0 Flame Class V-0, HF-1 - thk. 3 mm	UL 94 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)
	Swiss Reaction to Fire group Tubes: RF2 Sheets: RF2 (cr)	VKF Directive 13-15
ANTIMICROBIAL BEHAVIOUR	No fungal and bacterial growth detected	A.A.T.C.C. Test Method 30 ISO 22196
CORROSION RISK	Meets test requirements	EN 13468

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

¹: up to a maximum outer insulation diameter of 300 mm. Maximum insulation thickness available: 32 mm.

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 is +90 °C. For applications at higher temperatures 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.

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

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

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