

EUROBATEX® HF



TYPE OF MATERIAL:	Black closed-cell flexible elastomeric foam (FEF) without halogens (Chlorine, Bromine, Fluorine) and PVC
PRODUCT RANGE:	Tubes in pipe sections (also in self-adhesive version) with thicknesses from 13 mm to 32 mm and diameters from 10 mm to 139 mm. Sheets in roll (also in self-adhesive version) with thicknesses from 6 mm to 32 mm. Tapes with a thickness of 3 mm
FIELDS OF APPLICATION:	Thermal insulation of refrigeration and air conditioning services in commercial, industrial and domestic applications. Especially suitable for naval, rail and civil applications when high safety standards in case of fire are required
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 EPDITALY0112, released on 23/01/2021, 5 years validity, UNCPD code 3623
ADDITIONAL INFORMATION:	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
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 +130 °C		EN 14706 / EN 14707
THERMAL CONDUCTIVITY	At a mean temperature of +40 °C	$\lambda \leq 0,040 \text{ W/m}\cdot\text{K}$	EN 12667 / EN ISO 8497
WATER VAPOUR DIFFUSION RESISTANCE FACTOR	$\mu \geq 2000$		EN 13469 / EN 12086
WATER ABSORPTION	$< 0,1 \text{ kg/m}^2$		EN 13472 / EN 1609
FIRE PERFORMANCE	European Standard Euroclass	Tubes: D _L -s2,d0 Sheets thk. 6-25 mm: D-s3,d0 Sheets thk. 32 mm: E Sheets for linear application ¹ : D _L -s2,d0 Tapes: D-s3,d0	EN 13501-1
	USA, Canada	UL Approved Flame Class: HF-1	UL 94 UL 746 A, UL 746 B
	Swiss Reaction to Fire group	Tubes: RF3 Sheets: RF3 (cr)	VKF Directive 13-15
RAILWAYS	HL-1/R1 (low emissions, low toxicity in case of fire)		EN 45545
SHIPYARDS (MED) TYPE APPROVAL: RINA, LLOYD'S REGISTER	Meets test requirements		IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (MED 2014/90/EU Module B and D)
CORROSION RISK	Meets test requirements		EN 13468

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

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

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

For tapes the maximum operating temperature is +120 °C.

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

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

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

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

Before installation, please refer to EUROBATEX HF's installation advices, available on our website (download area).

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.