



# EUROBATEX® HF (HALOGEN FREE)

**Type of material:** Black closed-cell flexible elastomeric foam (FEF) without halogens (Chlorine, Bromine, Fluorine) and PVC.

**Product range:** Tubes in pipe sections with thicknesses from 13 to 32 mm and bore sizes from 10 to 139 mm. Sheets in roll form (also in self-adhesive version) from 6 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 where high safety standards exist in case of fire.

**Dimensional tolerances:** In accordance with the European Standard EN 14304.

**Environmental Information:** 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).

**Additional information:** Self-adhesive material: the self-adhesive coating is based on modified acrylate reinforced with mesh structure. Protection liner made of polyethylene 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 before installing. Tapes and self-adhesive sheets and tubes 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 $\lambda$ At a mean temperature of + 40 °C	$\leq 0.040$ W/m·K	EN 12667/EN ISO 8497
Water vapour diffusion resistance factor ( $\mu$ )	$\geq 2000$	EN 13469/EN 12086
Water absorption	$< 0,1$ kg/m <sup>2</sup>	EN 13472/EN 1609
Fire performance European standard	Tubes D <sub>L</sub> -s2-d0 Open Tubes (sheets for linear application $\varnothing \leq 300$ mm) : D <sub>L</sub> -s2-d0 Tapes: D-s3,d0 Sheets thk 6-25 mm: D-s3,d0 Sheets thk 32 mm: E	EN 13501 - 1
Railways	HL-1/R1 (low emissions, low toxicity in case of fire)	EN 45545
Shipyards (MED)  Type Approval: Lloyd's Register, Rina	Meets test requirements	IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (Directive MED 2014/90/UE Modules B and D)
Antimicrobial behaviour	Meets test requirements	AATCC test method 30-2004
Corrosion risk	Meets test requirements	EN 13468

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

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

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, Minergie Eco and Eco-Bau classification.

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

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).

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

