

# EUROBATEX® HF

EUROBATEX HF is a **halogen free** flexible expanded rubber foam (FEF) which conform to the European Standard EN 14304. CFC, HCFC, halogen and PVC-free insulation tubes, sheets and tapes for the thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications, especially wherever a **high standard of safety** is required (hospitals, pharmaceutical plants, public entertainment locations, airports, public offices, **ships and trains**).

Suitable for continuous use at **+130 °C**.

## APPLICATIONS FIELDS



Industrial



Refrigeration



Building



Marine



Heating & Plumbing



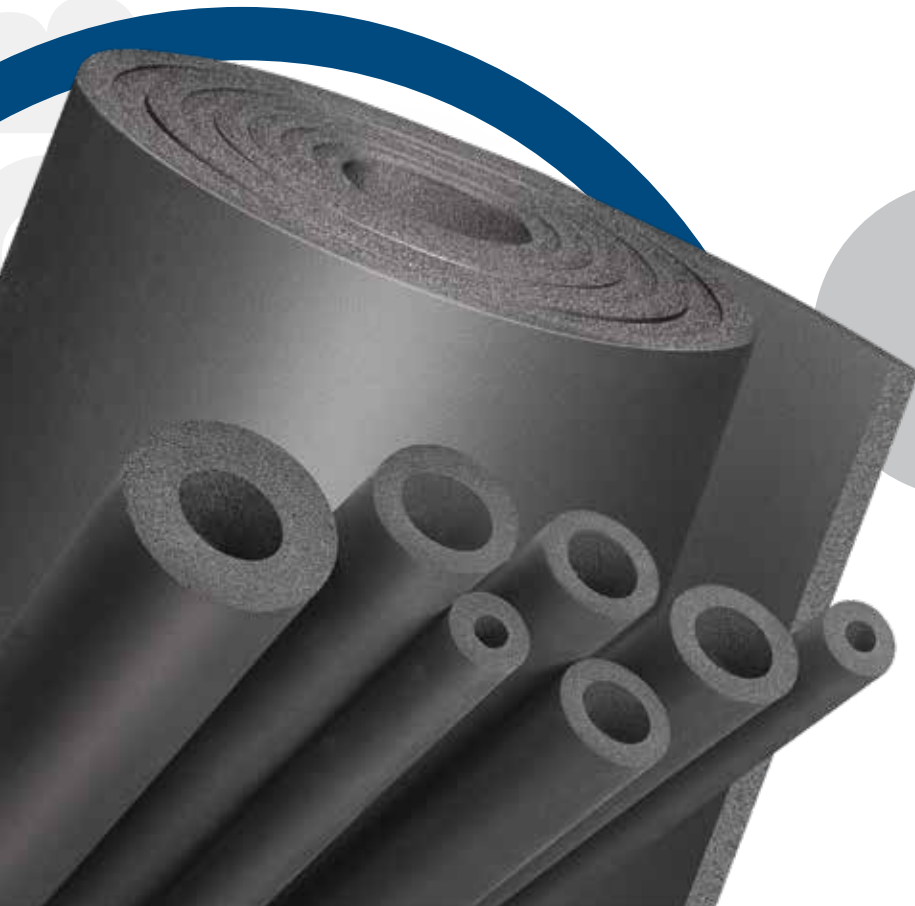
Railways



Air Conditioning



Oil & Gas



## EUROBATEX® HF



<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) without halogens (Chlorine, Bromine, Fluorine) and PVC
<b>PRODUCT RANGE:</b>	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
<b>FIELDS OF APPLICATION:</b>	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
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14304
<b>ENVIRONMENTAL INFORMATION:</b>	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, UNCPC code 3623
<b>ADDITIONAL INFORMATION:</b>	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
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	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
<b>OPERATING TEMPERATURE RANGE*</b>	-45 °C +130 °C		EN 14706 / EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/m-K}$	EN 12667 / EN ISO 8497
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 2000$		EN 13469 / EN 12086
<b>WATER ABSORPTION</b>	< 0,1 kg/m <sup>2</sup>		EN 13472 / EN 1609
<b>FIRE PERFORMANCE</b>	<b>European Standard Euroclass</b>	Tubes: D <sub>L</sub> -s2,d0 Sheets thk. 6-25 mm: D-s3,d0 Sheets thk. 32 mm: E Sheets for linear application <sup>1</sup> : D <sub>L</sub> -s2,d0 Tapes: D-s3,d0	EN 13501-1
	<b>USA, Canada</b>	UL Approved Flame Class: HF-1	UL 94 UL 746 A, UL 746 B
	<b>Swiss Reaction to Fire group</b>	Tubes: RF3 Sheets: RF3 (cr)	VKF Directive 13-15
<b>RAILWAYS</b>	HL-1/R1 (low emissions, low toxicity in case of fire)		EN 45545
<b>SHIPYARDS (MED) TYPE APPROVAL: RINA, LLOYD'S REGISTER</b>	Meets test requirements		IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (MED 2014/90/EU Module B and D)
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

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

<sup>1</sup>: 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.

# EUROBATEX® HF - HALOGEN FREE

## PIPE SECTIONS 2 m LENGTH

Copper pipe		Steel pipe			Thickness 13 mm		Thickness 19 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
10	3/8	10,2	6	1/8	13 - 10EURHF	172	19 - 10EURHF	98
12	1/2				13 - 12EURHF	162	19 - 12EURHF	88
15	5/8				13 - 15EURHF	136	19 - 15EURHF	78
18		17,2	10	3/8	13 - 18EURHF	118	19 - 18EURHF	72
22	7/8	21,3	15	1/2	13 - 22EURHF	98	19 - 22EURHF	64
28	1 1/8	26,9	20	3/4	13 - 28EURHF	78	19 - 28EURHF	48
35	1 3/8	33,7	25	1	13 - 35EURHF	58	19 - 35EURHF	40
42	1 5/8	42,4	32	1 1/4	13 - 42EURHF	48	19 - 42EURHF	40
48		48,3	40	1 1/2	13 - 48EURHF	40	19 - 48EURHF	32
54	2 1/8				13 - 54EURHF	34	19 - 54EURHF	32
60		60,3	50	2	13 - 60EURHF	32	19 - 60EURHF	28
76,1		76,1	65	2 1/2	13 - 76EURHF	26	19 - 76EURHF	20
88,9		88,9	80	3	13 - 89EURHF	24	19 - 89EURHF	16
114		114,3	100	4	13 - 114EURHF*	16	19 - 114EURHF*	14
140		139,7	125	5	13 - 139EURHF*	12	19 - 139EURHF*	8

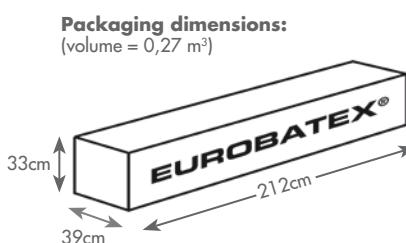
Copper pipe		Steel pipe			Thickness 25 mm		Thickness 32 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
18		17,2	10	3/8	25 - 18EURHF	50	32 - 18EURHF	32
22	7/8	21,3	15	1/2	25 - 22EURHF	42	32 - 22EURHF	32
28	1 1/8	26,9	20	3/4	25 - 28EURHF	40	32 - 28EURHF	24
35	1 3/8	33,7	25	1	25 - 35EURHF	32	32 - 35EURHF	24
42	1 5/8	42,4	32	1 1/4	25 - 42EURHF	26	32 - 42EURHF	18
48		48,3	40	1 1/2	25 - 48EURHF	22	32 - 48EURHF	18
54	2 1/8				25 - 54EURHF	22	32 - 54EURHF	14
60		60,3	50	2	25 - 60EURHF	18	32 - 60EURHF	14
76,1		76,1	65	2 1/2	25 - 76EURHF	16	32 - 76EURHF	10
88,9		88,9	80	3	25 - 89EURHF	12	32 - 89EURHF	10
114		114,3	100	4	25 - 114EURHF*	10	32 - 114EURHF*	8
140		139,7	125	5	25 - 139EURHF*	6	32 - 139EURHF*	6

\* Made to order.  
Different thicknesses and diameters available on request.

**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m<sup>3</sup>  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m<sup>3</sup>  
Box/pallet = 21

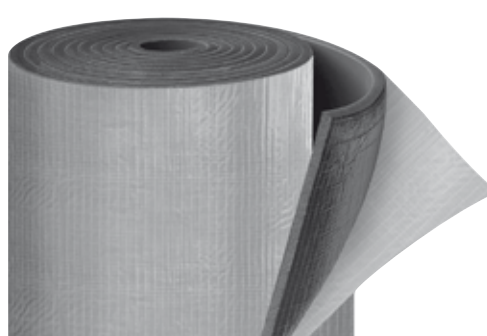


# EUROBATEX® HF - HALOGEN FREE CONTINUOUS ROLLS 1000 mm WIDTH

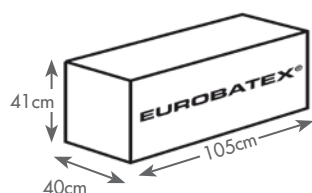
## SELF-ADHESIVE

Item No.	Thickness mm	m <sup>2</sup> /box
06EURHFPS	6	15
10EURHFPS	10	10
13EURHFPS	13	8
19EURHFPS	19	6
25EURHFPS	25	4
32EURHFPS	32	3

Item No.	Thickness mm	m <sup>2</sup> /box
06EURHFPS ADR	6	15
10EURHFPS ADR	10	10
13EURHFPS ADR	13	8
19EURHFPS ADR	19	6
25EURHFPS ADR	25	4
32EURHFPS ADR	32	3



Packaging dimensions:  
(volume = 0,17 m<sup>3</sup>)



Pallet dimensions:

120 x 210 x 217 cm  
Volume = 5,47 m<sup>3</sup>  
Box/pallet = 30



# EUROBATEX® HF - HALOGEN FREE SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
FPX 15 R HF	thickness 3 mm x 50 mm width - 15 m length	12



# CNX S ADHESIVE

Item No.	Description	pcs/ct
CNX 850 S	850 g - 1000 ml tin	12
CNX 425 S	425 g - 500 ml tin	24
CNX 200 S	200 g - 225 ml tin including brush	24



## THERMAL INSULATION PRODUCTS FOR BUILDING EQUIPMENT AND INDUSTRIAL INSTALLATIONS. FACTORY MADE FLEXIBLE ELASTOMERIC FOAM (FEF) PRODUCTS

### Dimensional tolerances specified by the European product Standard EN 14304

Form of delivery	Length	Width	Thickness		Squareness	Inside diameter	
			Declared	Tolerance		$D_i \leq 100$	$D_i > 100$
Tubes	$\pm 1,5\%$	-	$d_o \leq 8$	$\pm 1$	3,0 mm	$D_{id} + 1 \leq D_i \leq D_{id} + 4$	$D_{id} + 1 \leq D_i \leq D_{id} + 4$
			$8 < d_o \leq 18$	$\pm 1,5$			
			$18 < d_o \leq 31$	$\pm 2,5$			
			$d_o > 31$	$\pm 3$			
Sheets	$\pm 1,5\%$	$\pm 2\%$	$d_o \leq 6$	$\pm 1$	3,0 mm/m (length/width) 3,0 mm (thickness)	-	-
			$6 < d_o \leq 19$	$\pm 1,5$			
			$d_o > 19$	$\pm 2$			
Rolls	+ 5% - 1.5%	$\pm 2\%$	$d_o \leq 6$	$\pm 1$	3,0 mm/m (length/width) 3,0 mm (thickness)	-	-
			$6 < d_o \leq 19$	$\pm 1,5$			
			$d_o > 19$	$\pm 2$			
Tapes	+ 5% - 1.5%	$\pm 2\%$	$d_o = 3$	- 0.1 + 1,5	-	-	-



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