

# EUROBATEX® ECOPLUS

CFC, HCFC halogen free Flexible Elastomeric Foam (FEF) in form of tubes, sheets and tapes, which conform to the European Standard EN 14304. Eurobatex Ecoplus guarantees low smoke production in case of fire providing an excellent protection. The product has a classification of s1, when tested for linear application, according to EN 13501-1.

Eurobatex Ecoplus is suitable for applications with medium up to 150 °C in continuous and can be installed outdoors without further protections.

## APPLICATIONS FIELDS



**Industrial**



**Air Conditioning**



**Building**



**Refrigeration**



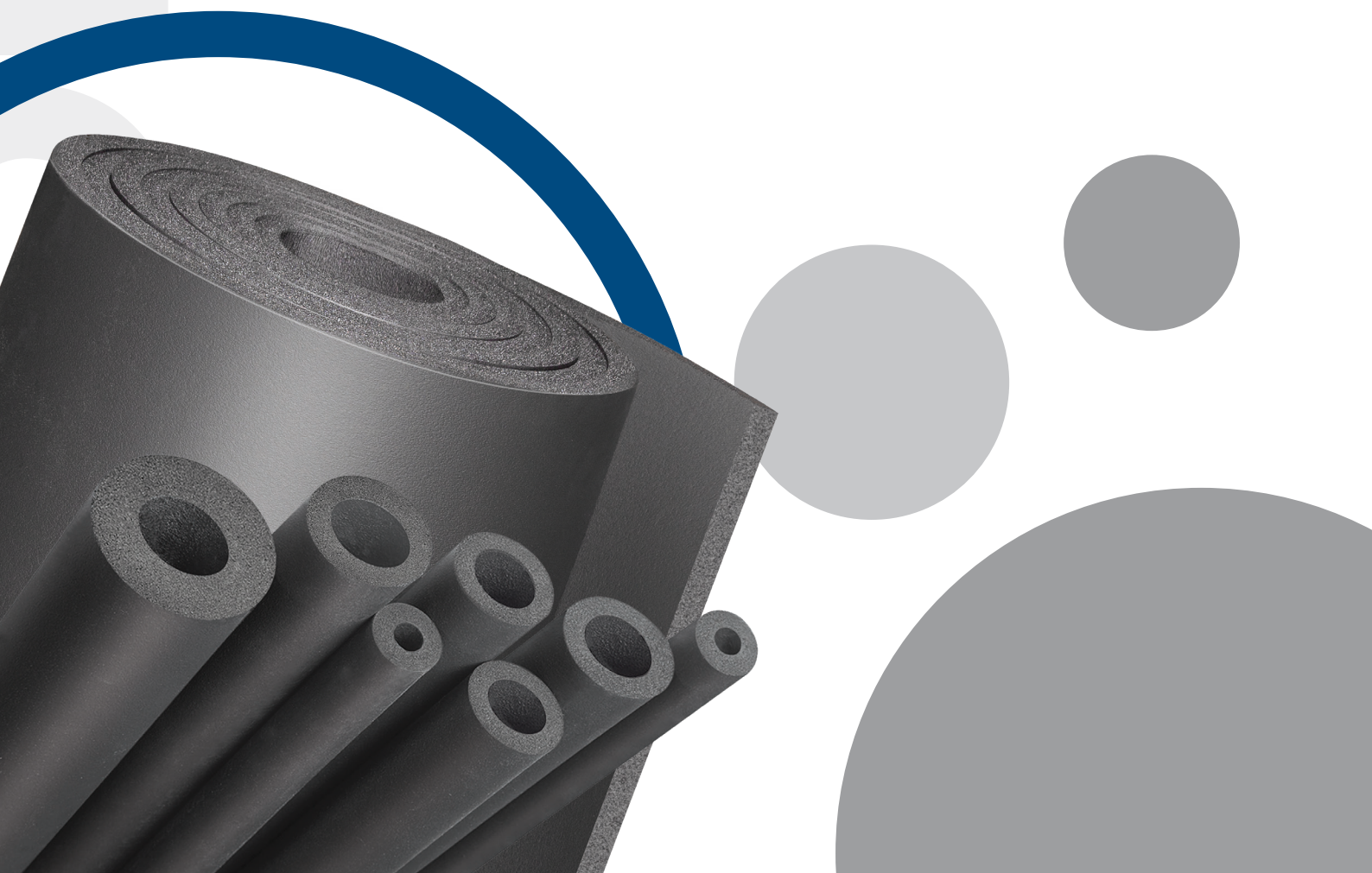
**Heating & Plumbing**



**Outdoor applications**



**Solar / High temperature**



# EUROBATEX® ECOPLUS

<b>TYPE OF MATERIAL:</b>	EPDM based, black closed-cell flexible elastomeric foam (FEF) without halogens (Chlorine, Bromine, Fluorine) and PVC
<b>PRODUCT RANGE:</b>	Tubes in pipe sections with thickness from 13 to 25 mm and bore sizes from 15 to 89 mm. Sheets in roll (also in self-adhesive version) from 13 to 25 mm. Tapes with a thickness of 3 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration and air conditioning services in industrial, commercial and institutional applications working also with high temperature medium. Especially suitable when high fire safety standards or specific UV and weather resistance are required
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14304
<b>ENVIRONMENTAL INFORMATION:</b>	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)
<b>ADDITIONAL INFORMATIONS:</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 before installing. 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 +150 °C		EN 14706 / EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	$\lambda \leq 0,042 \text{ W/m}\cdot\text{K}$	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>	European Standard Euroclasse	Tubes: D <sub>L</sub> -s1,d0 Sheets for linear application <sup>1</sup> : D <sub>L</sub> -s1,d0 Sheets: E	EN 13501-1
	USA, Canada	Approved UL Flame Class HBF	UL 94 UL 746 A - UL 746 B
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

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

<sup>1</sup>: up to a maximum outer insulation diameter of 300mm. Maximum insulation thickness available: 25mm.

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

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

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® ECOPLUS

## PIPE SECTIONS 2 m LENGTH

Copper pipe		Steel pipe			Thickness 13 mm		Thickness 19 mm		Thickness 25 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.	Item No. thickness x ID	m/ct.
15	5/8				13 -15EUR ECO	100	19 -15EUR ECO	60	25 -15EUR ECO	30
18		17,2	10	3/8	13 -18EUR ECO	90	19 -18EUR ECO	60	25 -18EUR ECO	30
22	7/8	21,3	15	1/2	13 -22EUR ECO	70	19 -22EUR ECO	44	25 -22EUR ECO	26
28	1 1/8	26,9	20	3/4	13 -28EUR ECO	60	19 -28EUR ECO	40	25 -28EUR ECO	20
35	1 3/8	33,7	25	1	13 -35EUR ECO	44	19 -35EUR ECO	30	25 -35EUR ECO	16
42	1 5/8	42,4	32	1 1/4	13 -42EUR ECO	36	19 -42EUR ECO	24	25 -42EUR ECO	16
48		48,3	40	1 1/2	13 -48EUR ECO	30	19 -48EUR ECO	22	25 -48EUR ECO	16
54	2 1/8				13 -54EUR ECO	26	19 -54EUR ECO	18	25 -54EUR ECO	12
60		60,3	50	2	13 -60EUR ECO	24	19 -60EUR ECO	18	25 -60EUR ECO	12
76,1		76,1	65	2 1/2	13 -76EUR ECO	16	19 -76EUR ECO	14	25 -76EUR ECO	8
88,9		88,9	80	3	13 -89EUR ECO	16	19 -89EUR ECO	12	25 -89EUR ECO	8

Material not in stock, produced on request and based on minimum purchasing quantities – lead time 15 workdays.  
Other thicknesses and diameters available on request.

**Packaging dimensions:**  
(volume = 0,27 m<sup>3</sup>)



**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



## CONTINUOUS ROLLS 1000 mm WIDTH

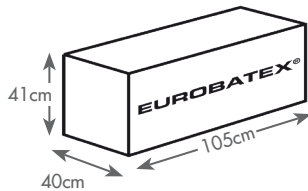
### SELF-ADHESIVE

Item No.	Thickness mm	m <sup>2</sup> /ct.
10EURPS ECO	10	10
13EURPS ECO	13	8
19EURPS ECO	19	6
25EURPS ECO	25	4

Item No.	Thickness mm	m <sup>2</sup> /ct.
10EURPS ECO ADR	10	10
13EURPS ECO ADR	13	8
19EURPS ECO ADR	19	6
25EURPS ECO ADR	25	4

Material not in stock, produced on request and based on minimum purchasing quantities – lead time 15 workdays

**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® - ECOPLUS SELF-ADHESIVE TAPE

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



## CNX AT 1 ADHESIVE

Resistant to temperature up to +150 °C

Item No.	Description	pcs/ct
CNX 425 AT1	425 g - 500 ml tin	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	$D_{iD} + 1 \leq D_i \leq D_{iD} + 4$	$D_{iD} + 1 \leq D_i \leq D_{iD} + 6$
			$8 < d_o \leq 18$	$\pm 1,5$			
			$18 < d_o \leq 31$	$\pm 2,5$			
			$d_o > 31$	$\pm 3$			
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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