

# EUROBATEX® PLUS UF



EUROBATEX PLUS UF is a Flexible Elastomeric Foam offering all of the features and benefits of EUROBATEX but is formulated with a microcellular structure which gives an improved and higher water vapour diffusion resistance factor ( $\mu \geq 10000$ ); it also has a class leading s2 smoke rating to the EN 13823 Reaction to Fire test for pipes. This material is suitable for commercial, industrial and domestic applications. EUROBATEX PLUS UF tubes also offer the advantage of having engineered wall thicknesses to maintain a constant surface temperature with increasing pipe size.



advanced elastomeric thermal and acoustic insulation materials

# EUROBATEX® PLUS UF

**Type of material:** Black closed-cell flexible elastomeric foam (FEF).

**Product range:** Tubes in pipe sections (also in a self-adhesive version) in thickness from 7 to 45 mm and diameters from 6 to 160 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:** 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 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. Self-adhesive pipes 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 14707
Thermal conductivity $\lambda$ At a mean temperature of 0 °C	Tubes UF1, UF2, UF3, UF4 $\leq 0.033$ W/m·K Tubes UF5, UF6 $\leq 0.035$ W/m·K	EN ISO 8497
At a mean temperature of +40 °C	Tubes UF1, UF2, UF3, UF4 $\leq 0.037$ W/m·K Tubes UF5, UF6 $\leq 0.039$ W/m·K	
Water vapour diffusion resistance factor ( $\mu$ )	Tubes UF1, UF2, UF3, UF4 $\geq 10000$ Tubes UF5, UF6 $\geq 7000$	EN 13469
Water absorption	<0,1 kg/m <sup>2</sup>	EN 13472
Fire performance European standard	B <sub>L</sub> -s2,d0	EN 13501-1
Shipyards (MED)	Meets test requirements	IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (Directive MED 2014/90/UE Modules B and D)
Ozone resistance	Excellent	ISO 7326
Antimicrobial behaviour	Meets test requirements	AATCC test method 30-2004
Corrosion risk	Meets test requirements	EN 13468

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

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

**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.

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

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

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



# EUROBATEX® PLUS UF

## PIPE SECTIONS - LENGTH 2 m

### PRODUCT RANGE

COPPER PIPE (Cu)		STEEL PIPE (Fe)			PE/PP/PVC TUBES	∅ INT. MIN-MAX	engineered thickness from 7 to 10 mm			engineered thickness from 9,5 to 16 mm			engineered thickness from 12,5 to 19 mm		
ext. ∅ mm	∅ nomin. DN	ext. ∅ mm	∅ inches	∅ nomin. DN	∅ nomin. DN	mm	UF-1			UF-2			UF-3		
							thk. mm	item no.	m/ct	thk. mm	item no.	m/ct	thk. mm	item no.	m/ct
6	4					7-10	7	EURUF-1-006	496	9,5	EURUF-2-006	352			
8	6					9-12	7	EURUF-1-008	432	10	EURUF-2-008	300			
10	8	10,20	1/8"	6		11-14	7,5	EURUF-1-010	364	11	EURUF-2-010	266	12,5	EURUF-3-010	172
12	10				12	13-16	7,5	EURUF-1-012	316	11	EURUF-2-012	234	13	EURUF-3-012	162
15	10	13,60	1/4"	8	16	16-19	8	EURUF-1-015	266	11,5	EURUF-2-015	192	14	EURUF-3-015	136
18	15		3/8"			19-22	8	EURUF-1-018	266	11,5	EURUF-2-018	166	14	EURUF-3-018	118
22	20	17,20	1/2"	10		23-26	8,5	EURUF-1-022	220	12	EURUF-2-022	136	14,5	EURUF-3-022	98
25	20				25	26-29	8,5	EURUF-1-025	152	12,5	EURUF-2-025	108	14,5	EURUF-3-025	80
28	25	21,30	3/4"	15		29-32	8,5	EURUF-1-028	130	12,5	EURUF-2-028	98	15,5	EURUF-3-028	78
30	25	25,0				31-34	9	EURUF-1-030	152	12,5	EURUF-2-030	98	15,5	EURUF-3-030	78
35	32	26,90	1"	20		36-39	9	EURUF-1-035	130	13	EURUF-2-035	76	16	EURUF-3-035	58
38	32	33,7		25		39-42	9	EURUF-1-038	100						
42	40					43-46	9	EURUF-1-042	90	13,5	EURUF-2-042	66	16,5	EURUF-3-042	50
45		42,4		32		46-49				13,5	EURUF-2-045	60	16,5	EURUF-3-045	48
48	35			40		49-52				13,5	EURUF-2-048	50	16,5	EURUF-3-048	40
54	50	48,3	1,1/2"	40		55-58				13,5	EURUF-2-054	46	17	EURUF-3-054	34
57	50					58-61				14	EURUF-2-057	46	17	EURUF-3-057	32
60		60,3	2"	50		61-64				14	EURUF-2-060	46	17	EURUF-3-060	32
64						65-68				14	EURUF-2-064	46	17	EURUF-3-064	30
70	65	70,0				71-74				14	EURUF-2-070	40	17,5	EURUF-3-070	26
76		76,1	2,1/2"	65		77-80				14	EURUF-2-076	40	17,5	EURUF-3-076	26
80	80					81-84				14,5	EURUF-2-080	36	17,5	EURUF-3-080	24
88,9	80	88,9	3	80		90,5-93,5				14,5	EURUF-2-089	36	18	EURUF-3-089	24
101		101	3,1/2"			102,5-107,5				14,5	EURUF-2-102	22	18	EURUF-3-102	16
108	100					109-114				14,5	EURUF-2-108	22	18	EURUF-3-108	16
114	100	114,3	4"	100		115-120				15	EURUF-2-114	22	18,5	EURUF-3-114	16
127		127,0				127-132				15	EURUF-2-125	12	18,5	EURUF-3-125	12
133	125	133,0				134-139				15,5	EURUF-2-133	12	18,5	EURUF-3-133	8
139		139,7				140,5-145,5				15,5	EURUF-2-139	8	19	EURUF-3-139	8

Made to order.

Packaging dimensions: 212 x 33 x 39 cm.



advanced elastomeric thermal and acoustic insulation materials

## PIPE SECTIONS - LENGTH 2 m

COPPER PIPE (Cu)		STEEL PIPE (Fe)			PE/PP/PVC TUBES	Ø INT. MIN-MAX	engineered thickness from 15,5 to 25 mm			engineered thickness from 25 to 32 mm			engineered thickness from 32 to 45 mm		
ext. Ø mm	Ø nomin. DN	ext. Ø mm	Ø inches	Ø nomin. DN	Ø nomin. DN	mm	UF-4			UF-5			UF-6		
							thk. mm	item no.	m/ct	thk. mm	item no.	m/ct	thk. mm	item no.	m/ct
10	8	10,20	1/8"	6		11,0-14,0	15,5	EURUF-4-010	98						
12	10	12,50			12	13,0-16,0	16	EURUF-4-012	88						
15	10	13,50	1/4"	8	16	16,0-19,0	17	EURUF-4-015	78						
18	15	17,20		10		19,0-22,0	17,5	EURUF-4-018	72	25	EURUF-5-018	50	32	EURUF-6-018	32
22	20	21,30	3/8"	15		23,0-26,0	18	EURUF-4-022	64	25	EURUF-5-022	42	33,5	EURUF-6-022	32
25	20	25,0			25	26,0-29,0	18,5	EURUF-4-025	50						
28	25	26,90	1/2"	20		29,0-32,0	19	EURUF-4-028	48	25	EURUF-5-028	40	35	EURUF-6-028	24
30	25					31,0-34,0	19	EURUF-4-030	48						
35	32	33,70	3/4"	25		36,0-39,0	19,5	EURUF-4-035	36	27	EURUF-5-035	24	35	EURUF-6-035	22
42	32	38,0		32		43,0-46,0	20,5	EURUF-4-042	32	27	EURUF-5-042	18	36,5	EURUF-6-042	16
	40	42,40	1,1/4"			46,0-49,0	20,5	EURUF-4-045	32						
48				32		49,0-52,0	21	EURUF-4-048	24	27,5	EURUF-5-048	18	37,5	EURUF-6-048	14
54	50	54,0	1,1/2"			55,0-58,0	21	EURUF-4-054	24	28,5	EURUF-5-054	16	38	EURUF-6-054	12
57	50	57,0				58,0-61,0	21,5	EURUF-4-057	22				38,5	EURUF-6-057	12
60		60,3	2"			61,0-64,0	21,5	EURUF-4-060	22	29	EURUF-5-060	12	39	EURUF-6-060	10
64				50		65,0-68,0	21,5	EURUF-4-064	18	29	EURUF-5-064	12	39,5	EURUF-6-064	10
70		70,0				71,0-74,0	22	EURUF-4-070	18	29,5	EURUF-5-070	12	40	EURUF-6-070	8
76	65	76,1	2,1/2"			77,0-80,0	22	EURUF-4-076	18	30	EURUF-5-076	10	40,5	EURUF-6-076	8
80				65		81,0-84,0	22,5	EURUF-4-080	14				41	EURUF-6-080	8
90	80	88,9	3			90,5-93,5	22,5	EURUF-4-089	14	30,5	EURUF-5-089	8	41,5	EURUF-6-089	8
101		101	3,1/2"	80		102,5-107,5	23	EURUF-4-102	14				42,5	EURUF-6-102	6
108	100					109,0-114,0	23	EURUF-4-108	12	31	EURUF-5-108	6	42,5	EURUF-6-108	6
114	100	114,3	4"			115,0-120,0	23,5	EURUF-4-114	12	31,5	EURUF-5-114	6	43	EURUF-6-114	6
127		127,0		100		127,0-132,0	23,5	EURUF-4-125	10						
133	125	133,0				134,0-139,0	24	EURUF-4-133	8				44	EURUF-6-133	4
140		139,7				140,5-145,5	24,5	EURUF-4-139	8	32	EURUF-5-139	4	44,5	EURUF-6-139	4
159	150	160,0				161,0-166,0	25	EURUF-4-160	8				45	EURUF-6-160	4

Made to order.

Packaging dimensions: 212 x 33 x 39 cm.

### EUROBATEX® SELF-ADHESIVE TAPE

Item no.	Description	pcs/ct
FPX 10 TR	thickness 3 mm x 50 mm width - 10 m length	24
FPX 15 TR	thickness 3 mm x 50 mm width - 15 m length	12

### CNX ADHESIVE

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



advanced elastomeric thermal and acoustic insulation materials

# EUROBATEX® PLUS UF

## DIMENSIONAL TOLERANCES SPECIFIED BY EUROPEAN PRODUCT STANDARD EN 14304

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



advanced elastomeric thermal and acoustic insulation materials

Union Foam S.p.A.  
via dell'Industria 11 - 20882 Bellusco (MB) Italy  
tel. +39.039.62089.1 - fax +39.039.6840849  
sales@unionfoam.it - www.unionfoam.it