

Advanced elastomeric  
thermal and acoustic  
insulation materials



INSULATION MATERIALS.  
OUR WORLD.  
FOR A BETTER WORLD.

# GENERAL CATALOGUE



2023/2024





## OUR HISTORY

UNION FOAM S.p.A. was founded in the early 60s with the name "I.R.G. – Industria Rigenerati Gomma S.p.A." and initially specialized in the production of recycled products from waste rubber. In that period the company established important and strong relationships with the major manufacturers of both raw materials (ENICHEM, BAYER, SIR) and rubber products (PIRELLI, MANULI). In 1978, following changes in its production plant, the company became the first in Italy to produce semifinished closed-cell foam rubber products for thermal and acoustic insulation used in domestic and industrial applications.

Today, UNION FOAM S.p.A., with vast experience in research, testing and the development of innovative and highly technological products has become a European market leader in this field and is in constant expansion.

The company's products and systems, capable of preventing the formation of condensation, limiting the loss of energy, absorbing sound and vibrations and protecting the environment, are used in a wide range of both domestic and industrial applications. (Heating and plumbing, air conditioning, refrigeration, oil, petrochemical, shipyards and railways.)

Certification bodies, qualified both on a national and international level, guarantee, in accordance with the regulations in force, the quality and performance of all products.

The versatility of the production systems together with the ability and desire of the staff to satisfy worldwide customer requirements allows the company to adapt its product range to meet the needs and comply with the regulations of all of the countries in which Union Foam and its business partners operate.

The company has been granted the certification ISO EN 9001:2015, CE MARK, MED MARINE and has always adopted a "total customer satisfaction" policy in order to consolidate and develop working relationships and partnerships with customers.

Thanks to its network of agents and distributors, UNION FOAM is now a leading company in the major world wide markets.

**UNION FOAM S.p.A.**



# QUALITY MANAGEMENT SYSTEM CERTIFICATE



## MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:  
CERT-02587-98-AQ-MIL-SINCERT

Initial certification date:  
13 February 1998

Valid:  
26 November 2021 – 25 November 2024

This is to certify that the management system of  
**UNION FOAM S.p.A. - Sede Operativa e  
Magazzino**

Via dell'Industria, 8/11 - 20882 Bellusco (MB) - Italy

has been found to conform to the Quality Management System standard:  
**ISO 9001:2015**

This certificate is valid for the following scope:  
**Design, manufacture and trade of pipes and sheets in elastomeric foam  
(IAF: 14)**

Place and date:  
Vimercate (MB), 23 November 2021



SGQ N° 001 A  
SGA N° 003 D  
SGE N° 007 H  
SGC N° 006 F

EMIS N° 009 P  
PAS N° 003 B  
PAS N° 004 C  
SOL N° 001 G

Marito di MIA CA per gli schemi di accreditamento  
SGQ, SGA, PRO, PMS, SGE, GSE, LME e LAF di MIA CA  
per gli schemi di accreditamento SGQ, SGA, SOL, PMS  
e PRO e di PMS, LME per gli schemi di accreditamento  
LME, PMS, LAF e GSE

For the issuing office:  
DNV - Business Assurance  
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy

**Zeno Beltrami**  
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.  
ACCREDITED UNIT: DNV Business Assurance Italy S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy - TEL: +39 68 99 905. [www.dnv.it](http://www.dnv.it)



## ASSOCIATIONS AND PARTNERSHIPS



Interest group FEF & PEF insulation



**SOLUTIONS  
TO ENSURE  
EFFICIENT  
THERMAL  
AND  
ACOUSTIC  
INSULATION**

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## FIELDS OF APPLICATION LEGEND



# THERMAL INSULATION

The background image shows a close-up of industrial machinery. On the left, there is a complex assembly of metal parts, including a large, rusted cylindrical component and various pipes and valves. Several thick, black, flexible hoses or cables are draped across the foreground and middle ground, curving from the left towards the right. The background is a blurred blue wall, suggesting an industrial setting. The overall lighting is somewhat dim, with a cool blue color palette.

# EUROBATEX®

CFC and HCFC-free, GWP zero Flexible Elastomeric thermal insulation complying with the European Standard EN 14304. Available in form of **tubes, sheets, coils and self-adhesive tapes**, **EUROBATEX®** is a closed cell, integral vapour barrier material with a high emissivity surface making it the ideal product for condensation control on refrigeration, air conditioning and dual temperature services. It also has a **s2 smoke Classification** according to EN 13501-1 reaction to fire test for pipes and tapes. Thanks to its low thermal conductivity, EUROBATEX ensure, also at lower thicknesses, energy conservation, temperature control, personal protection or frost protection.

## APPLICATIONS FIELDS



Industrial



Air Conditioning



Building



Refrigeration



Heating & Plumbing



Oil & Gas



## EUROBATEX®



<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF)
<b>PRODUCT RANGE:</b>	Tubes in pipe sections (also in self-adhesive version) and coils with thicknesses from 6 mm to 60 mm and diameters from 6 mm to 170 mm. Flat sheets or rolls (also in self-adhesive version) with thicknesses from 6 mm to 60 mm. Tapes with a thickness of 3 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications
<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 EPDITALY0093, released on 21/02/2020, 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 or paper 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>	+110 °C - 45 °C ( -200 °C)*		EN 14706 / EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	Tubes thk. ≤25 mm: $\lambda \leq 0,033$ W/m·K Tubes thk. >25 mm: $\lambda \leq 0,035$ W/m·K Sheets thk. ≤32 mm: $\lambda \leq 0,033$ W/m·K Sheets thk. >32 mm: $\lambda \leq 0,034$ W/m·K Tapes: $\lambda \leq 0,033$ W/m·K	EN 12667 / EN ISO 8497
	At a mean temperature of +40 °C	Tubes thk. ≤25 mm: $\lambda \leq 0,037$ W/m·K Tubes thk. >25 mm: $\lambda \leq 0,039$ W/m·K Sheets thk. ≤32 mm: $\lambda \leq 0,037$ W/m·K Sheets thk. >32 mm: $\lambda \leq 0,038$ W/m·K Tapes: $\lambda \leq 0,037$ W/m·K	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	Tubes thk. ≤19 mm: $\mu \geq 10000$ Sheets thk. ≤25 mm: $\mu \geq 10000$ Tapes: $\mu \geq 10000$ Tubes thk. ≥25 mm: $\mu \geq 7000$ Sheets thk. ≥30 mm: $\mu \geq 7000$		EN 13469 / EN 12086
<b>WATER ABSORPTION</b>	<0,1 kg/m²		EN 13472 / EN 1609
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	Tubes: B <sub>s</sub> -s2,d0 Sheets: B-s3,d0 Sheets 60 mm: E Tapes: B-s2,d0	EN 13501-1
	FM Approval	FM Approved Class 4924 Product Type: Pipe and Duct insulation	Test Procedure Class Number 4924 UCB Standard No. 26-3
	USA, Canada	UL Approved Flame Class V-0 Flame Class V-0, HF-1 - thk. 3 mm	UL 94 UL 746 A - UL 746 B
	Shipyards (MED)	Meets test requirements	IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (Directive MED 2014/90/UE Modules B and D)
	Swiss Reaction to Fire group	Tubes: RF2 Sheets: RF2 (cr)	VKF Directive 13-15
<b>ANTIMICROBIAL BEHAVIOUR</b>	No fungal and bacterial growth detected		A.A.T.C.C. Test Method 30 ISO 22196
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

\*NB: for application at temperatures lower than -45 °C, 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.

**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.

The product meets the requirements for the achievement of the Eco-Bau classification.  
For outside uses Eurobatex should be protected with Union Covering or Vec elastomeric paint.  
All the normatives quoted in this document are updated to the latest issued versions.  
Ultra-Fresh is a registered trademark of Thomson Research Associates, Inc.  
Union Foam S.p.A. reserves the right to modify any information at any time without prior notice.

# EUROBATEX®

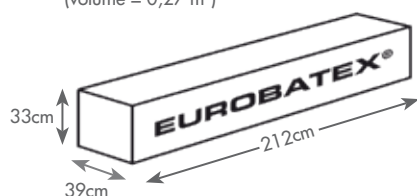
## PIPE SECTIONS 2 m LENGTH

Copper pipe		Steel pipe			PE/PP/PVC pipes	Thickness 6 mm		Thickness 9 mm		Thickness 13 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	DN	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
6						06 - 06EUR 0	496	09 - 06EUR 0	352	13 - 06EUR 0	220
8						06 - 08EUR 0	432	09 - 08EUR 0	300	13 - 08EUR 0*	210
10	3/8	10,2	6	1/8		06 - 10EUR 0	364	09 - 10EUR 0	266	13 - 10EUR 0	172
12	1/2				12	06 - 12EUR 0	316	09 - 12EUR 0	234	13 - 12EUR 0	162
14		13,5	8	1/4		06 - 14EUR 0*	266	09 - 14EUR 0*	192	13 - 14EUR 0*	136
15	5/8				16	06 - 15EUR 0	266	09 - 15EUR 0	192	13 - 15EUR 0	136
18		17,2	10	3/8		06 - 18EUR 0	220	09 - 18EUR 0	166	13 - 18EUR 0	118
20	3/4				20	06 - 20EUR 0*	180	09 - 20EUR 0*	136	13 - 20EUR 0*	98
22	7/8	21,3	15	1/2		06 - 22EUR 0	180	09 - 22EUR 0	136	13 - 22EUR 0	98
25	1				25	06 - 25EUR 0*	152	09 - 25EUR 0*	108	13 - 25EUR 0*	80
28	1 1/8	26,9	20	3/4		06 - 28EUR 0	130	09 - 28EUR 0	98	13 - 28EUR 0	78
35	1 3/8	33,7	25	1		06 - 35EUR 0	100	09 - 35EUR 0	76	13 - 35EUR 0	58
38								09 - 38EUR 0*	66	13 - 38EUR 0*	50
42	1 5/8	42,4	32	1 1/4		06 - 42EUR 0	90	09 - 42EUR 0	60	13 - 42EUR 0	48
48		48,3	40	1 1/2				09 - 48EUR 0	50	13 - 48EUR 0	40
54	2 1/8							09 - 54EUR 0	46	13 - 54EUR 0	34
57								09 - 57EUR 0*	46	13 - 57EUR 0*	32
60		60,3	50	2				09 - 60EUR 0	46	13 - 60EUR 0	32
64								09 - 64EUR 0*	46	13 - 64EUR 0*	30
70								09 - 70EUR 0	40	13 - 70EUR 0*	26
76,1		76,1	65	2 1/2				09 - 76EUR 0	40	13 - 76EUR 0	26
80								09 - 80EUR 0*	36	13 - 80EUR 0*	24
88,9		88,9	80	3				09 - 90EUR 0	36	13 - 90EUR 0	24
101								09 - 101EUR 0	22	13 - 101EUR 0	16
108								09 - 108EUR 0*	22	13 - 108EUR 0*	16
114		114,3	100	4				09 - 114EUR 0	22	13 - 114EUR 0	16
127										13 - 127EUR 0*	12
133										13 - 133EUR 0*	12
140		139,7	125	5						13 - 139EUR 0*	12
159										13 - 160EUR 0*	12
168		168,3	150	6						13 - 168EUR 0*	10

\* Made to order

Different 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



# EUROBATEX®

## PIPE SECTIONS 2 m LENGTH

Copper pipe		Steel pipe			PE/PP/PVC pipes	Thickness 19 mm		Thickness 25 mm		Thickness 32 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	DN	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
10	3/8	10,2	6	1/8		19 - 10EUR 0	98				
12	1/2				12	19 - 12EUR 0	88				
14		13,5	8	1/4		19 - 14EUR 0*	78				
15	5/8				16	19 - 15EUR 0	78				
18		17,2	10	3/8		19 - 18EUR 0	72	25 - 18EUR 0	50	32 - 18EUR 0	32
20	3/4				20	19 - 20EUR 0*	66				
22	7/8	21,3	15	1/2		19 - 22EUR 0	64	25 - 22EUR 0	42	32 - 22EUR 0	32
25	1				25	19 - 25EUR 0*	50				
28	1 1/8	26,9	20	3/4		19 - 28EUR 0	48	25 - 28EUR 0	40	32 - 28EUR 0	24
35	1 3/8	33,7	25	1		19 - 35EUR 0	44	25 - 35EUR 0	32	32 - 35EUR 0	24
38						19 - 38EUR 0*	40				
42	1 5/8	42,4	32	1 1/4		19 - 42EUR 0	40	25 - 42EUR 0	26	32 - 42EUR 0	20
48		48,3	40	1 1/2		19 - 48EUR 0	32	25 - 48EUR 0	22	32 - 48EUR 0	18
54	2 1/8					19 - 54EUR 0	32	25 - 54EUR 0	22	32 - 54EUR 0	14
57											
60		60,3	50	2		19 - 60EUR 0	28	25 - 60EUR 0	18	32 - 60EUR 0	14
64						19 - 64EUR 0*	24	25 - 64EUR 0*	18	32 - 64EUR 0*	14
70						19 - 70EUR 0*	22	25 - 70EUR 0*	16	32 - 70EUR 0	10
76,1		76,1	65	2 1/2		19 - 76EUR 0	20	25 - 76EUR 0	16	32 - 76EUR 0	10
80						19 - 80EUR 0*	20	25 - 80EUR 0*	16	32 - 80EUR 0*	10
88,9		88,9	80	3		19 - 90EUR 0	16	25 - 90EUR 0	12	32 - 90EUR 0	10
101						19 - 101EUR 0	16	25 - 101EUR 0*	10	32 - 101EUR 0*	8
108						19 - 108EUR 0*	16	25 - 108EUR 0*	10	32 - 108EUR 0*	8
114		114,3	100	4		19 - 114EUR 0	14	25 - 114EUR 0	10	32 - 114EUR 0	8
127						19 - 127EUR 0*	10				
133						19 - 133EUR 0*	8	25 - 133EUR 0*	6	32 - 133EUR 0*	6
140		139,7	125	5		19 - 139EUR 0*	8	25 - 139EUR 0*	6	32 - 139EUR 0*	6
159						19 - 160EUR 0*	8	25 - 160EUR 0*	4	32 - 160EUR 0*	4
168		168,3	150	6		19 - 168EUR 0*	8	25 - 168EUR 0*	4	32 - 168EUR 0*	4

\* Made to order

Different thicknesses and diameters available on request

**Packaging dimensions:**  
(volume = 0,27 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 21



# EUROBATEX®

## SELF-ADHESIVE PIPE SECTIONS 2 m LENGTH

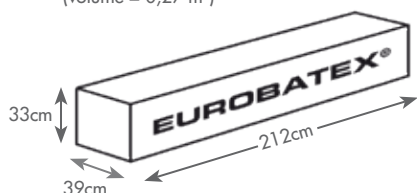
Copper pipe		Steel pipe			PE/PP/PVC pipes	Thickness 6 mm		Thickness 9 mm		Thickness 13 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	DN	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
12	1/2				12	06 - 12EUR 0 AD2*	316	09 - 12EUR 0 AD2	234	13 - 12EUR 0 AD2	162
14		13,5	8	1/4				09 - 14EUR 0 AD2*	192	13 - 14EUR 0 AD2*	136
15	5/8				16			09 - 15EUR 0 AD2	192	13 - 15EUR 0 AD2	136
18		17,2	10	3/8		06 - 18EUR 0 AD2*	220	09 - 18EUR 0 AD2	166	13 - 18EUR 0 AD2	118
20	3/4				20			09 - 20EUR 0 AD2*	136	13 - 20EUR 0 AD2*	98
22	7/8	21,3	15	1/2		06 - 22EUR 0 AD2*	180	09 - 22EUR 0 AD2	136	13 - 22EUR 0 AD2	98
25					25			09 - 25EUR 0 AD2*	108	13 - 25EUR 0 AD2*	80
28	1 1/8	26,9	20	3/4		06 - 28EUR 0 AD2*	130	09 - 28EUR 0 AD2	98	13 - 28EUR 0 AD2	78
35	1 3/8	33,7	25	1		06 - 35EUR 0 AD2*	100	09 - 35EUR 0 AD2	76	13 - 35EUR 0 AD2	58
38								09 - 38EUR 0 AD2*	66	13 - 38EUR 0 AD2*	50
42	1 5/8	42,4	32	1 1/4				09 - 42EUR 0 AD2	60	13 - 42EUR 0 AD2	48
48		48,3	40	1 1/2				09 - 48EUR 0 AD2	50	13 - 48EUR 0 AD2	40
54	2 1/8							09 - 54EUR 0 AD2	46	13 - 54EUR 0 AD2	34
57								09 - 57EUR 0 AD2*	46	13 - 57EUR 0 AD2*	32
60		60,3	50	2				09 - 60EUR 0 AD2	46	13 - 60EUR 0 AD2	32
64								09 - 64EUR 0 AD2*	46	13 - 64EUR 0 AD2*	30
70								09 - 70EUR 0 AD2	40	13 - 70EUR 0 AD2*	26
76,1		76,1	65	2 1/2				09 - 76EUR 0 AD2	40	13 - 76EUR 0 AD2	26
80								09 - 80EUR 0 AD2*	36	13 - 80EUR 0 AD2*	24
88,9		88,9	80	3				09 - 90EUR 0 AD2	36	13 - 90EUR 0 AD2	24
101										13 - 101EUR 0 AD2	16
108										13 - 108EUR 0 AD2*	16
114		114,3	100	4						13 - 114EUR 0 AD2	16

\* Made to order

Version with overlap available on request.

Tubes supplied with an adhesive stripe on both sides.

**Packaging dimensions:**  
(volume = 0,27 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 21



# EUROBATEX®

## SELF-ADHESIVE PIPE SECTIONS 2 m LENGTH

Copper pipe		Steel pipe			PE/PP/PVC pipes	Thickness 19 mm		Thickness 25 mm		Thickness 32 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	DN	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
12	1/2				12	19 - 12EUR 0 AD2	88				
14		13,5	8	1/4		19 - 14EUR 0 AD2*	78				
15	5/8				16	19 - 15EUR 0 AD2	78				
18		17,2	10	3/8		19 - 18EUR 0 AD2	72	25 - 18EUR 0 AD2	50	32 - 18EUR 0 AD2	32
20	3/4				20	13 - 20EUR 0 AD2*	66				
22	7/8	21,3	15	1/2		19 - 22EUR 0 AD2	64	25 - 22EUR 0 AD2	42	32 - 22EUR 0 AD2	32
25					25	19 - 25EUR 0 AD2*	50				
28	1 1/8	26,9	20	3/4		19 - 28EUR 0 AD2	48	25 - 28EUR 0 AD2	40	32 - 28EUR 0 AD2	24
35	1 3/8	33,7	25	1		19 - 35EUR 0 AD2	44	25 - 35EUR 0 AD2	32	32 - 35EUR 0 AD2	24
38						19 - 38EUR 0 AD2*	40				
42	1 5/8	42,4	32	1 1/4		19 - 42EUR 0 AD2	40	25 - 42EUR 0 AD2	26	32 - 42EUR 0 AD2	20
48		48,3	40	1 1/2		19 - 48EUR 0 AD2	32	25 - 48EUR 0 AD2	22	32 - 48EUR 0 AD2	18
54	2 1/8					19 - 54EUR 0 AD2	32	25 - 54EUR 0 AD2	22	32 - 54EUR 0 AD2	14
57											
60		60,3	50	2		19 - 60EUR 0 AD2	28	25 - 60EUR 0 AD2	18	32 - 60EUR 0 AD2	14
64						19 - 64EUR 0 AD2*	24	25 - 64EUR 0 AD2*	18	32 - 64EUR 0 AD2*	14
70						19 - 70EUR 0 AD2*	22	25 - 70EUR 0 AD2*	16	32 - 70EUR 0 AD2	10
76,1		76,1	65	2 1/2		19 - 76EUR 0 AD2	20	25 - 76EUR 0 AD2	16	32 - 76EUR 0 AD2	10
80						19 - 80EUR 0 AD2*	20	25 - 80EUR 0 AD2*	16	32 - 80EUR 0 AD2*	10
88,9		88,9	80	3		19 - 90EUR 0 AD2	16	25 - 90EUR 0 AD2	12	32 - 90EUR 0 AD2	10
101						19 - 101EUR 0 AD2	16	25 - 101EUR 0 AD2*	10	32 - 101EUR 0 AD2*	8
108						19 - 108EUR 0 AD2*	16	25 - 108EUR 0 AD2*	10	32 - 108EUR 0 AD2*	8
114		114,3	100	4		19 - 114EUR 0 AD2	14	25 - 114EUR 0 AD2	10	32 - 114EUR 0 AD2	8

\* Made to order

Version with overlap available on request.

Tubes supplied with an adhesive stripe on both sides.



**Packaging dimensions:**  
(volume = 0,27 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 21





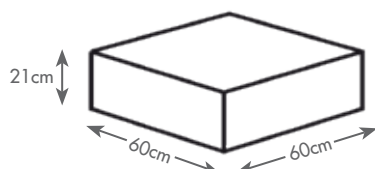
# EUROBATEX®

## COILS

Internal Ø	Thickness 6 mm		Thickness 9 mm		Thickness 13 mm	
mm	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
6	06 - 06EUR 0 ROT*	95	09 - 06EUR 0 ROT	70	13 - 06EUR 0 ROT	45
10	06 - 10EUR 0 ROT*	75	09 - 10EUR 0 ROT	50	13 - 10EUR 0 ROT	35
12	06 - 12EUR 0 ROT*	65	09 - 12EUR 0 ROT	45	13 - 12EUR 0 ROT	32
15	06 - 15EUR 0 ROT*	55	09 - 15EUR 0 ROT	40	13 - 15EUR 0 ROT	32
18	06 - 18EUR 0 ROT*	45	09 - 18EUR 0 ROT	38	13 - 18EUR 0 ROT	30
20	06 - 20EUR 0 ROT*	40	09 - 20EUR 0 ROT	34	13 - 20EUR 0 ROT	28
22	06 - 22EUR 0 ROT*	40	09 - 22EUR 0 ROT	30	13 - 22EUR 0 ROT	26
28	06 - 28EUR 0 ROT*	30	09 - 28EUR 0 ROT	26	13 - 28EUR 0 ROT	20

\* Made to order

**Packaging dimensions:**  
(volume = 0,07 m³)



**Pallet dimensions:**

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 72



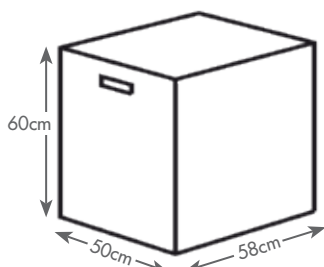
# EUROBATEX® ECQ

## COILS FOR INDUSTRIAL APPLICATIONS

Item No.	m/ct	Item No.	m/ct	Item No.	m/ct
06 - 06EUR 1 C	200	09 - 06EUR 1 C	100	13 - 06EUR 1 C	100
06 - 08EUR 1 C	200	09 - 08EUR 1 C	100	13 - 08EUR 1 C	100
06 - 10EUR 1 C	150	09 - 10EUR 1 C	100	13 - 10EUR 1 C	80
06 - 12EUR 1 C	150	09 - 12EUR 1 C	100	13 - 12EUR 1 C	60
06 - 14EUR 1 C	100	09 - 14EUR 1 C	80	13 - 14EUR 1 C	60
06 - 15EUR 1 C	100	09 - 15EUR 1 C	60	13 - 15EUR 1 C	50
06 - 18EUR 1 C	80	09 - 18EUR 1 C	50	13 - 18EUR 1 C	35
06 - 20EUR 1 C	50	09 - 20EUR 1 C	40	13 - 20EUR 1 C	30
06 - 22EUR 1 C	50	09 - 22EUR 1 C	40	13 - 22EUR 1 C	30
06 - 25EUR 1 C	50	09 - 25EUR 1 C	40	13 - 25EUR 1 C	30
06 - 28EUR 1 C	50	09 - 28EUR 1 C	40	13 - 28EUR 1 C	30
		09 - 35EUR 1 C	30		

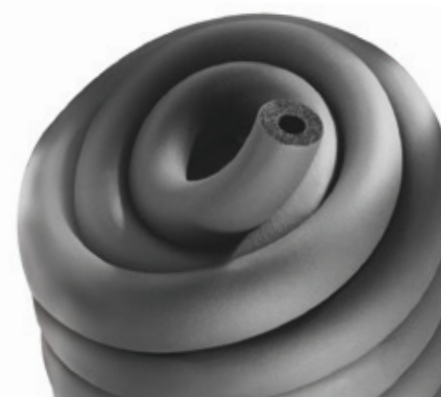
Product not in stock, available on request.

**Packaging dimensions:**  
(volume = 0,17 m³)



**Pallet dimensions:**

120 x 210 x 242 cm  
Volume = 6,1 m³  
Box/pallet = 30



# EUROBATEX®

## CONTINUOUS ROLLS 1000 mm WIDTH

### SELF-ADHESIVE

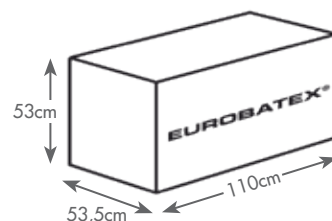
Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R	6	30
10EUR R	10	20
13EUR R	13	14
16EUR R	16	12
19EUR R	19	10
25EUR R	25	8
32EUR R	32	6
40EUR R	40	4
50EUR R	50	4
60EUR R*	60	3

\* Made to order

1 x 2 m or 0,5 x 2 m plate versions available on request.

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R ADR	6	30
10EUR R ADR	10	20
13EUR R ADR	13	14
16EUR R ADR	16	12
19EUR R ADR	19	10
25EUR R ADR	25	8
32EUR R ADR	32	6
40EUR R ADR	40	4
50EUR R ADR	50	4
60EUR R ADR*	60	3

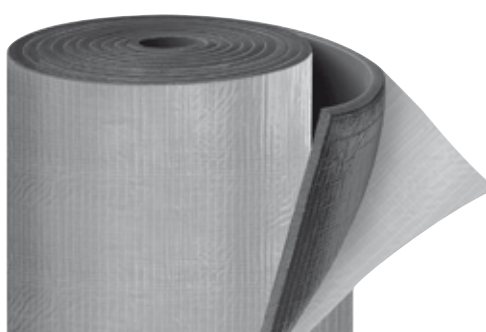
**Packaging dimensions:**  
(volume = 0,30 m<sup>3</sup>)



**Pallet dimensions:**

120 x 210 x 277 cm  
Volume = 7 m<sup>3</sup>  
Box/pallet = 20

120 x 210 x 224 cm  
Volume = 5,64 m<sup>3</sup>  
Box/pallet = 16



## 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 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



# EUROBATEX® SC (Smoke Control)

CFC and HCFC free high performance sheets in Flexible Elastomeric Foam (FEF), in compliance with european standard EN 14304.

Eurobatex SC with its **excellent fire and smoke performance Euroclass B-s2,d0** is particularly indicated where high safety standards in case of fire are required. This product is an ideal solution for the thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications.

## APPLICATIONS FIELDS



Industrial



Air Conditioning



Building



Refrigeration



Heating & Plumbing



Oil & Gas

## EUROBATEX® SC



<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF)
<b>PRODUCT RANGE:</b>	Sheets in rolls (also in a self-adhesive version) with thicknesses from 6 to 32 mm. Tapes with a thickness of 3mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications
<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)
<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 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 +110 °C		EN 14706
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	$\lambda \leq 0,037 \text{ W/mK}$	EN 12667
	At a mean temperature of +40 °C	$\lambda \leq 0,041 \text{ W/m-K}$	
<b>WATER ABSORPTION</b>	< 0,1 kg/m <sup>2</sup>		EN 1609
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	B-s2,d0	EN 13501-1
	Swiss Reaction to Fire group	RF2	VKF Directive 13-15
<b>CORROSION RISK</b>	Soddisfa i requisiti		EN 13468

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

For self-adhesive sheets, 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.  
Certification of Constancy of Performance issued by CSI S.p.A. - Bollate IT-20021

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

For outside use Eurobatex should be protected with Union Covering.

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® SC

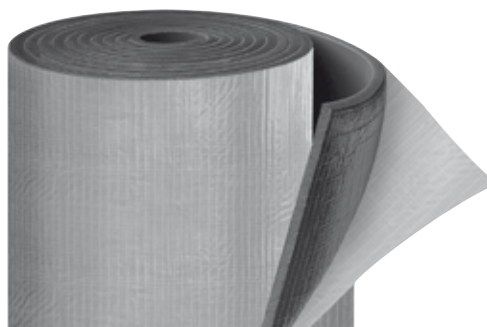
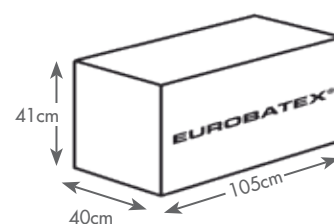
### CONTINUOUS ROLLS 1000 mm WIDTH

#### SELF-ADHESIVE

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

Item No.	Thickness mm	m <sup>2</sup> /ct.
06EURPS SC ADR	6	15
10EURPS SC ADR	10	10
13EURPS SC ADR	13	8
19EURPS SC ADR	19	6
25EURPS SC ADR	25	4
32EURPS SC 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® - SC

### SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
FPX 15 TR SC	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





# EUROBATEX® GLASTEC

EUROBATEX sheets and pipes covered with GLASTEC, an aluminium and mineral fibre based jacketing with a black external finish of high resistance against mechanical abuse and UV radiation.

This product is an ideal solution for the thermal insulation of air conditioning ducts and heating & plumbing systems in both industrial and civil applications. Thanks to its **excellent fire performance B<sub>L-s1,d0</sub>** for pipes and **B-s2,d0** for sheets, it is particularly indicated where high safety standards are required.

The product is also ideal for railway applications, achieving HL3/R1 hazard level according to EN 45545.

## APPLICATIONS FIELDS



Industrial



Refrigeration



Building



Railways



Heating & Plumbing



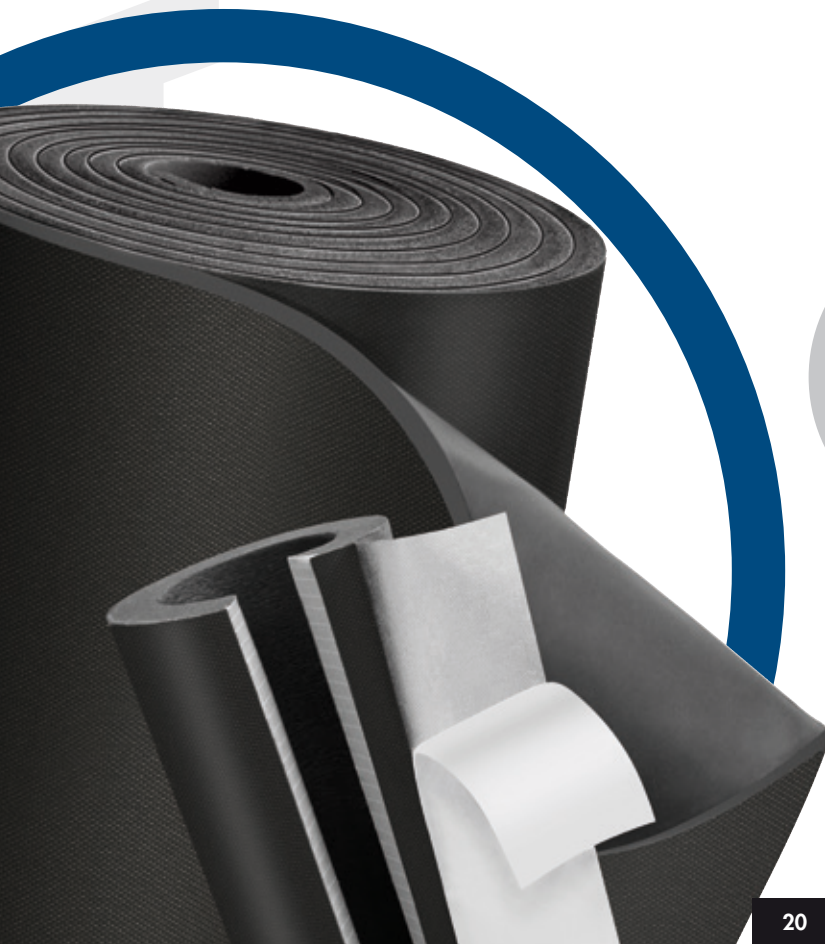
Oil & Gas



Air Conditioning



Outdoor applications



# EUROBATEX® GLASTEC

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) coupled with mineral fibre material with a black coloured exterior finishing
<b>PRODUCT RANGE:</b>	Self-adhesive pipe sections of 1 m with thicknesses from 13 mm to 50 mm and diameters from 14 mm to 170 mm. Sheets in rolls (also in self-adhesive version) with thicknesses from 6 mm to 50 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14304
<b>ENVIRONMENTAL INFORMATION:</b>	CFC, 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 INFORMATION:</b>	Self-adhesive material: acrylate based adhesive coating available plain or reinforced with mesh structure. Protection liner made of polyolefin. 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. 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 +110 °C		EN 14706 / EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	Tubes thk. ≤25 mm: $\lambda \leq 0,033$ W/m·K Tubes thk. >25 mm: $\lambda \leq 0,035$ W/m·K Sheets thk. ≤32 mm: $\lambda \leq 0,033$ W/m·K Sheets thk. >32 mm: $\lambda \leq 0,034$ W/m·K	EN 12667 / EN ISO 8497
	At a mean temperature of +40 °C	Tubes thk. ≤25 mm: $\lambda \leq 0,037$ W/m·K Tubes thk. >25 mm: $\lambda \leq 0,039$ W/m·K Sheets thk. ≤32 mm: $\lambda \leq 0,037$ W/m·K Sheets thk. >32 mm: $\lambda \leq 0,038$ W/m·K	
<b>WATER VAPOUR DIFFUSION RESISTANT FACTOR</b>	$\mu \geq 10000$		EN 13469 / EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	Tubes: B <sub>L</sub> -s1,d0 Sheets: B-s2,d0	EN 13501-1
<b>RAILWAYS</b>	HL-3/R1		EN 45545
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

## CHARACTERISTICS OF THE COVERING

PHYSICAL PROPERTIES	REFERENCE VALUES
<b>THICKNESS</b>	≈ 200 µm
<b>WEIGHT</b>	≈ 250 g/m²
External finishing colour: black	

\*NB: for applications at lower temperature please contact our technical department.  
For self-adhesive sheets, the maximum operating temperature standard is +90 °C.

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

# EUROBATEX® GLASTEC - Black coloured external finishing

## PRE-CUT, SELF-ADHESIVE PIPE SECTIONS 1m 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
14		13,5	8	1/4	13 - 15EUR 0 GLAS	136	19 - 15EUR 0 GLAS	78
18		17,2	10	3/8	13 - 18EUR 0 GLAS	118	19 - 18EUR 0 GLAS	72
22	7/8	21,3	15	1/2	13 - 22EUR 0 GLAS	98	19 - 22EUR 0 GLAS	64
28	1 1/8	26,9	20	3/4	13 - 28EUR 0 GLAS	78	19 - 28EUR 0 GLAS	48
35	1 3/8	33,7	25	1	13 - 35EUR 0 GLAS	58	19 - 35EUR 0 GLAS	44
42	1 5/8	42,4	32	1 1/4	13 - 42EUR 0 GLAS	48	19 - 42EUR 0 GLAS	40
48		48,3	40	1 1/2	13 - 48EUR 0 GLAS	40	19 - 48EUR 0 GLAS	32
54	2 1/8				13 - 54EUR 0 GLAS	34	19 - 54EUR 0 GLAS	32
60		60,3	50	2	13 - 60EUR 0 GLAS	32	19 - 60EUR 0 GLAS	28
76,1		76,1	65	2 1/2	13 - 76EUR 0 GLAS	26	19 - 76EUR 0 GLAS	20
88,9		88,9	80	3	13 - 90EUR 0 GLAS	24	19 - 90EUR 0 GLAS	16
101					13 - 101EUR 0 GLAS	24	19 - 101EUR 0 GLAS	16
114		114,3	100	4	13 - 114EUR 0 GLAS	16	19 - 114EUR 0 GLAS	14
127					13 - 127EUR 0 GLAS	12	19 - 127EUR 0 GLAS	10
140		139,7	125	5	13 - 139EUR 0 GLAS	12	19 - 139EUR 0 GLAS	8

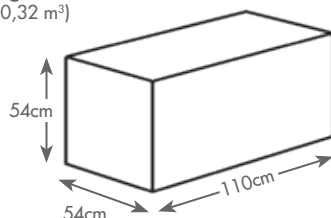
Thickness 25 mm		Thickness 32 mm	
Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct.
25 - 18EUR 0 GLAS	50	32 - 18EUR 0 GLAS	32
25 - 22EUR 0 GLAS	42	32 - 22EUR 0 GLAS	32
25 - 28EUR 0 GLAS	40	32 - 28EUR 0 GLAS	24
25 - 35EUR 0 GLAS	32	32 - 35EUR 0 GLAS	24
25 - 42EUR 0 GLAS	26	32 - 42EUR 0 GLAS	20
25 - 48EUR 0 GLAS	22	32 - 48EUR 0 GLAS	18
25 - 54EUR 0 GLAS	22	32 - 54EUR 0 GLAS	14
25 - 60EUR 0 GLAS	18	32 - 60EUR 0 GLAS	14
25 - 76EUR 0 GLAS	16	32 - 76EUR 0 GLAS	10
25 - 90EUR 0 GLAS	12	32 - 89EUR 0 GLAS	10
25 - 101EUR 0 GLAS	10	32 - 101EUR 0 GLAS	8
25 - 114EUR 0 GLAS	10	32 - 114EUR 0 GLAS	8
25 - 127EUR 0 GLAS	6	32 - 133EUR 0 GLAS	6
25 - 139EUR 0 GLAS	4	32 - 139EUR 0 GLAS	6



Product not in stock, available on request.  
Different thicknesses and diameters available on request.

### Packaging dimensions:

(volume = 0,32 m³)



### Pallet dimensions:

120 x 210 x 282 cm  
Volume = 7,10 m³  
Box/pallet = 20

120 x 210 x 228 cm  
Volume = 5,74 m³  
Box/pallet = 16



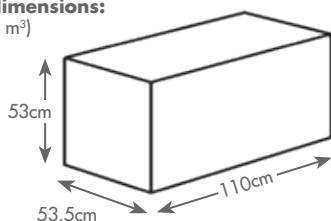
## EUROBATEX® GLASTEC - Black coloured external finishing CONTINUOUS ROLLS 1000 mm WIDTH

### SELF-ADHESIVE

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R GLAS N	6	30
10EUR R GLAS N	10	20
13EUR R GLAS N	13	14
19EUR R GLAS N	19	10
25EUR R GLAS N	25	8
32EUR R GLAS N	32	6

Product not in stock, available on request.  
Different thicknesses available on request

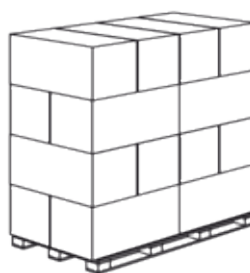
**Packaging dimensions:**  
(volume = 0,30 m<sup>3</sup>)



**Pallet dimensions:**

120 x 210 x 277 cm  
Volume = 7 m<sup>3</sup>  
Box/pallet = 20

120 x 210 x 224 cm  
Volume = 5,64 m<sup>3</sup>  
Box/pallet = 16



## CONTINUOUS ROLLS 1500 mm WIDTH

### SELF-ADHESIVE

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR RH1,5 GLAS	6	45
08EUR RH1,5 GLAS	8	37,5
10EUR RH1,5 GLAS	10	30
12EUR RH1,5 GLAS	12	22,5
15EUR RH1,5 GLAS	15	18
20EUR RH1,5 GLAS	20	15
25EUR RH1,5 GLAS	25	12
30EUR RH1,5 GLAS	30	9

Product not in stock, available on request.

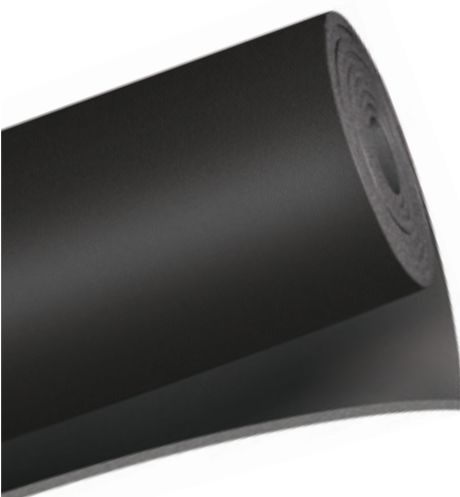
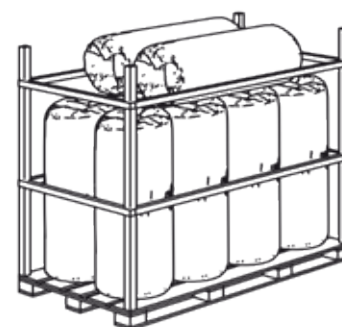
Item No.	Thickness mm	m <sup>2</sup> /box
06EUR RH1,5 GLAS ADR	6	45
08EUR RH1,5 GLAS ADR	8	37,5
10EUR RH1,5 GLAS ADR	10	30
12EUR RH1,5 GLAS ADR	12	22,5
15EUR RH1,5 GLAS ADR	15	18
20EUR RH1,5 GLAS ADR	20	15
25EUR RH1,5 GLAS ADR	25	12
30EUR RH1,5 GLAS ADR	30	9

**Single packaging:**



**Pallet dimensions:**

100 x 210 x 210 cm  
Volume = 4,41 m<sup>3</sup>  
Bags/pallet = 10



## GLASTEC - SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
NC GLAS N 50x25 M	black adhesive tape, width 50 mm x 25 m length	20
NC GLAS N 75x25 M	black adhesive tape, width 75 mm x 25 m length	13
NC GLAS N 100x25 M	black adhesive tape, width 100 mm x 25 m length	10



## 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





# EUROBATEX® R

CFC and HCFC-free insulation tubes in flexible expanded rubber foam (FEF) compliant to the European Standard EN 14304. These tubes are protected by a **scratch, "pecking" and UV resistant external film** of white colour (black on demand). They are suitable for the thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications and for all external applications within their temperature range.

## APPLICATIONS FIELDS



Industrial



Refrigeration



Building



Oil & Gas



Heating & Plumbing



Outdoor applications



Air Conditioning

# EUROBATEX® R

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) covered with a white thermoplastic film
<b>PRODUCT RANGE:</b>	Tubes in pipe section with thicknesses from 9 mm to 19 mm and diameters from 12 mm to 48 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications. Suitable also for external applications
<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)
<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. Tubes should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>OPERATING TEMPERATURE RANGE*</b>	-45 °C +110 °C		EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C At a mean temperature of +40 °C	$\lambda \leq 0,033 \text{ W/m}\cdot\text{K}$ $\lambda \leq 0,037 \text{ W/m}\cdot\text{K}$	EN ISO 8497
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 13469
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E <sub>L</sub>	EN 13501-1
<b>OZONE RESISTANCE</b>	Meets test requirements		ISO 7326
<b>UV RESISTANCE</b>	Meets test requirements		UNI ISO 4892-2

\*NB: for applications at lower temperature 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® R - White coloured protective film

## PIPE SECTIONS 2 m LENGTH

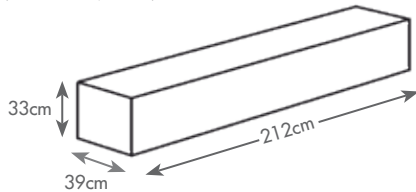
Copper pipe		Steel pipe			PE/PP/PVC pipes	Thickness 9 mm		Thickness 13 mm		Thickness 19 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	DN	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
12	1/2				12	09 - 12EURRB*	170	13 - 12EURRB*	120	19 - 12EURRB*	70
15	5/8				16	09 - 16EURRB	140	13 - 15EURRB*	100	19 - 15EURRB*	50
18		17,2	10	3/8		09 - 18EURRB	130	13 - 18EURRB*	90	19 - 18EURRB*	50
22	7/8	21,3	15	1/2		09 - 22EURRB	100	13 - 22EURRB*	70	19 - 22EURRB*	44
28	1 1/8	26,9	20	3/4		09 - 28EURRB	80	13 - 28EURRB*	60	19 - 28EURRB*	40
35	1 3/8	33,7	25	1		09 - 35EURRB	60	13 - 35EURRB*	44	19 - 35EURRB*	30
42	1 5/8	42,4	32	1 1/4				13 - 42EURRB*	36	19 - 42EURRB*	24
48		48,3	40	1 1/2						19 - 48EURRB*	22

Different thicknesses and diameters available on request.

\*Based on minimum purchasing quantities.

Material not in stock, produced on request - lead time 15 workdays.

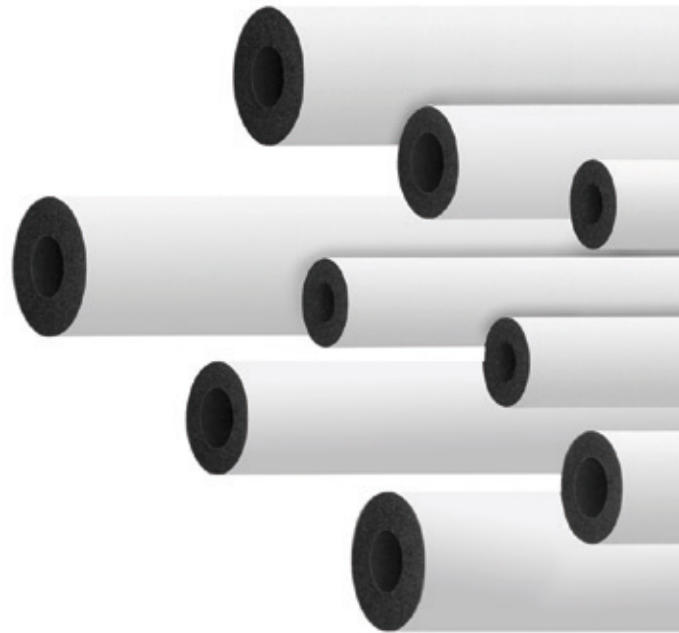
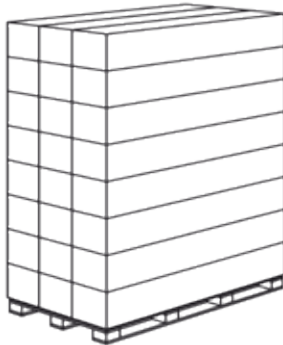
**Packaging dimensions:**  
(volume = 0,27 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 21



## 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



# EUROBATEX® H/H SUPER

Grey CFC and HCFC-free flexible elastomeric foam insulating tubes (FEF) which conform to the European Standard EN 14304.

This material is especially suitable for the thermal insulation of air conditioning and heating & plumbing services in commercial, industrial and domestic applications.

## APPLICATIONS FIELDS



**Industrial**



**Air Conditioning**



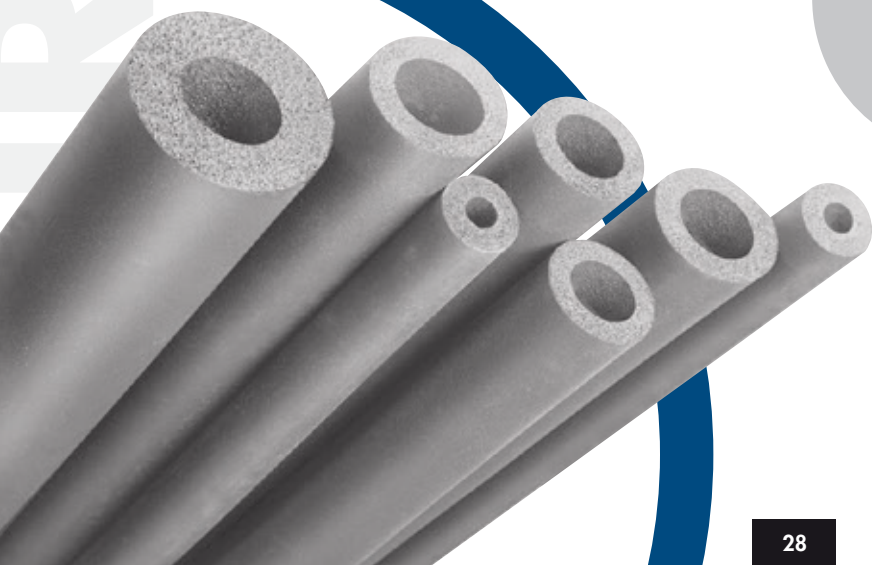
**Building**



**Refrigeration**



**Heating & Plumbing**



# EUROBATEX® H/H SUPER

<b>TYPE OF MATERIAL:</b>	Grey closed-cell flexible elastomeric foam (FEF)
<b>PRODUCT RANGE:</b>	EUROBATEX H - Tubes in pipes sections (also in self-adhesive version) with thicknesses from 18 mm to 36 mm and diameters from 22 mm to 114 mm. EUROBATEX H SUPER - Tubes in pipes sections and coils with thickness of 10 mm and diameters from 15 mm to 42 mm. H Tapes with thickness of 3 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications
<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)
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive material: acrylate based adhesive coating reinforced with mesh structure. Protection liner made of polyolefin or paper 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 +110 °C		EN 14706 / EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	H SUPER tubes: $\lambda \leq 0,032$ W/m·K H tubes thk. $\leq 25$ mm: $\lambda \leq 0,033$ W/m·K H tubes thk. $> 25$ mm: $\lambda \leq 0,035$ W/m·K H tapes: $\lambda \leq 0,033$ W/m·K	EN 12667 / EN ISO 8497
	At a mean temperature of +40 °C	H SUPER tubes: $\lambda \leq 0,036$ W/m·K H tubes thk. $\leq 25$ mm: $\lambda \leq 0,037$ W/m·K H tubes thk. $> 25$ mm: $\lambda \leq 0,039$ W/m·K H tapes: $\lambda \leq 0,037$ W/m·K	
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	Tubes: B <sub>L</sub> -s2,d0 Tapes: B-s2,d0	EN 13501-1
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

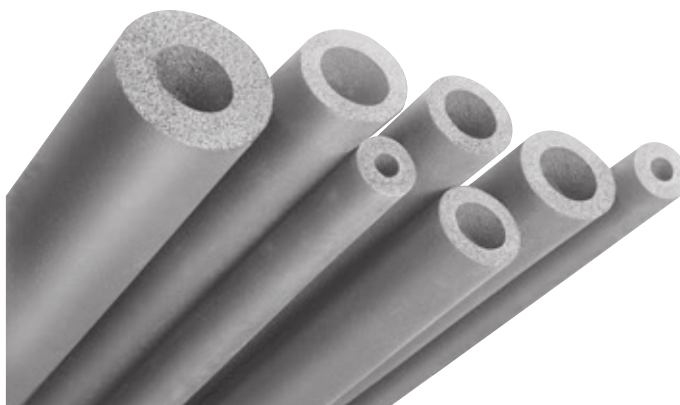
\*NB: for application at lower temperatures please contact our technical department.  
For information regarding the chemical resistance of the product please consult the specific technical documentation.  
For tapes the maximum operating temperatures is +90 °C.

**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 version.  
For outside uses Eurobatex H 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® H/H SUPER** **PIPE SECTIONS 2 m LENGTH**

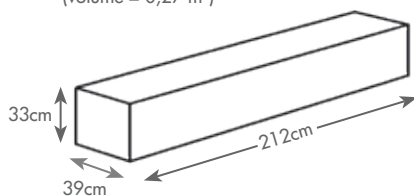
Thickness for internal Ø (mm)	Item No.	m/ct
10 - 15	10 - 15EUR H	150
10 - 18	10 - 18EUR H	130
10 - 22	10 - 22EUR H	100
10 - 28	10 - 28EUR H	80
10 - 35	10 - 35EUR H	80
10 - 42	10 - 42EUR H	70
18 - 28	18 - 28EUR H	48
20 - 35	20 - 35EUR H	32
20 - 42	20 - 42EUR H	28
24 - 15	24 - 15EUR H	40
24 - 18	24 - 18EUR H	40
24 - 22	24 - 22EUR H	36
24 - 28	24 - 28EUR H	32
24 - 42	24 - 42EUR H	24
24 - 48	24 - 48EUR H	24
32 - 54	32 - 54EUR H	12
32 - 57	32 - 57EUR H	12
32 - 60	32 - 60EUR H	12
36 - 28	36 - 28EUR H	18
36 - 35	36 - 35EUR H	16



Different thicknesses and diameters available on request.

Material not in stock, produced on request and based on minimum purchasing quantities.

**Packaging dimensions:**  
(volume = 0,27 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 21



## **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





# EUROBATEX® AT

CFC and HCFC-free, GWP zero Flexible Elastomeric thermal insulation complying with the European Standard EN 14304. Available in form of tubes, sheets, coils and self-adhesive tapes, EUROBATEX AT is a closed cell, flexible material with a high emissivity surface. Based upon a different polymer than EUROBATEX, it is suitable for **continuous use at 150 °C** and **can be used outdoors without protection**. The major use of EUROBATEX AT is on Solar Heating pipeworks but it is also a versatile and useful option for energy conservation and personnel protection in commercial, industrial and institutional applications. EUROBATEX AT is PVC free, which makes it suitable for use on **Austenitic Stainless Steel** pipework. EUROBATEX AT **tubes are talc injected** to reduce friction and ensure easier installation.

## APPLICATIONS FIELDS



Industrial



Refrigeration



Building



Solar / High temperature



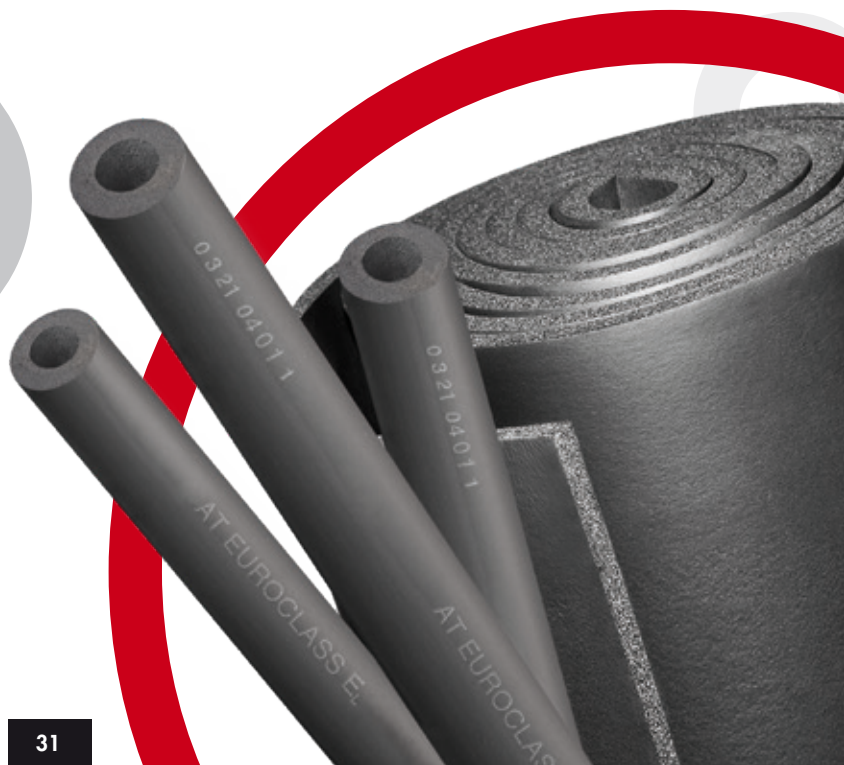
Heating & Plumbing



Outdoor applications



Air Conditioning



# EUROBATEX® AT

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF)
<b>PRODUCT RANGE:</b>	Tubes in pipe section and coils with thicknesses from 6 mm to 32 mm and diameters from 10 mm to 114 mm. Sheets in rolls (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 solar heating pipeworks and systems with high operating temperature. Suitable for air conditioning, refrigeration and heating & plumbing services when UV resistant insulation material is required
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14304
<b>ENVIRONMENTAL INFORMATION:</b>	CFC, 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 INFORMATION:</b>	Self-adhesive material: acrylate based adhesive coating available plain or reinforced with mesh structure. Protection liner made of polyolefin or paper 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 +150 °C		EN 14707 / EN 14706
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/m}\cdot\text{K}$	EN 12667 / EN ISO 8497
<b>WATER ABSORPTION</b>	< 0,1 kg/m <sup>2</sup>		EN 13472 / EN 1609
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E	EN 13501-1
<b>OZONE RESISTANCE</b>	Excellent		ISO 7326
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

\*NB: for applications at lower temperatures please contact our technical department.  
For self-adhesive sheets the maximum operating temperature standard is +100 °C. For applications at higher temperatures please contact our technical department.  
For tapes the maximum operating temperature is +120 °C.

**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® AT

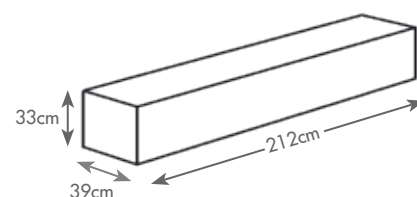
## PIPE SECTIONS 2 m LENGTH

Copper pipe		Steel pipe			Thickness 9 mm		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	Item No. thickness x ID	m/ct
15	5/8				09 - 15EURAT	140	13 - 15EURAT	100	19 - 15EURAT	60
18		17,2	10	3/8	09 - 18EURAT	130	13 - 18EURAT	90	19 - 18EURAT	60
22	7/8	21,3	15	1/2	09 - 22EURAT	100	13 - 22EURAT	70	19 - 22EURAT	44
28	1 1/8	26,9	20	3/4	09 - 28EURAT	80	13 - 28EURAT	60	19 - 28EURAT	40
35	1 3/8	33,7	25	1	09 - 35EURAT	60	13 - 35EURAT	44	19 - 35EURAT	30
42	1 5/8	42,4	32	1 1/4	09 - 42EURAT	50	13 - 42EURAT	36	19 - 42EURAT	24
48		48,3	40	1 1/2	09 - 48EURAT*	42	13 - 48EURAT	30	19 - 48EURAT*	22
54	2 1/8				09 - 54EURAT	36	13 - 54EURAT	26	19 - 54EURAT	18
60		60,3	50	2	09 - 60EURAT*	32	13 - 60EURAT	24	19 - 60EURAT*	18
64					09 - 64EURAT*	32	13 - 64EURAT*	22	19 - 64EURAT*	16
67					09 - 67EURAT*	32	13 - 67EURAT*	22	19 - 67EURAT*	14
70					09 - 70EURAT*	30	13 - 70EURAT*	20	19 - 70EURAT	14
76,1		76,1	65	2 1/2	09 - 76EURAT	28	13 - 76EURAT	16	19 - 76EURAT	14
80							13 - 80EURAT*	16	19 - 80EURAT*	14
88,9		88,9	80	3	09 - 90EURAT	22	13 - 89EURAT	16	19 - 89EURAT	12
101							13 - 101EURAT*	16	19 - 101EURAT*	12
108					09 - 108EURAT*	20	13 - 108EURAT*	16	19 - 108EURAT*	12
114		114,3	100	4	09 - 114EURAT	18	13 - 114EURAT*	16	19 - 114EURAT*	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
15	5/8				25 - 15EURAT	30		
18		17,2	10	3/8	25 - 18EURAT	30		
22	7/8	21,3	15	1/2	25 - 22EURAT	26	32 - 22EURAT*	24
28	1 1/8	26,9	20	3/4	25 - 28EURAT	20	32 - 28EURAT*	22
35	1 3/8	33,7	25	1	25 - 35EURAT	16	32 - 35EURAT*	16
42	1 5/8	42,4	32	1 1/4	25 - 42EURAT*	16	32 - 42EURAT*	16
48		48,3	40	1 1/2	25 - 48EURAT*	16	32 - 48EURAT*	12
54	2 1/8				25 - 54EURAT*	12	32 - 54EURAT*	12
57					25 - 57EURAT*	12	32 - 57EURAT*	12
60		60,3	50	2	25 - 60EURAT*	12	32 - 60EURAT*	12
64					25 - 64EURAT*	12	32 - 64EURAT*	10
67					25 - 67EURAT*	12	32 - 67EURAT*	10
70					25 - 70EURAT*	12	32 - 70EURAT*	10
76,1		76,1	65	2 1/2	25 - 76EURAT*	8	32 - 76EURAT*	10
80					25 - 80EURAT*	8	32 - 80EURAT*	8
88,9		88,9	80	3	25 - 89EURAT*	8	32 - 89EURAT*	8
101					25 - 101EURAT*	8	32 - 101EURAT*	8
108					25 - 108EURAT*	8	32 - 108EURAT*	6
114		114,3	100	4	25 - 114EURAT*	8	32 - 114EURAT*	6



**Packaging dimensions:**  
(volume = 0,27 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 21



\*Material not in stock, produced on request – lead time 15 workdays

# EUROBATEX® AT CONTINUOUS ROLLS 1000 mm WIDTH

## SELF-ADHESIVE

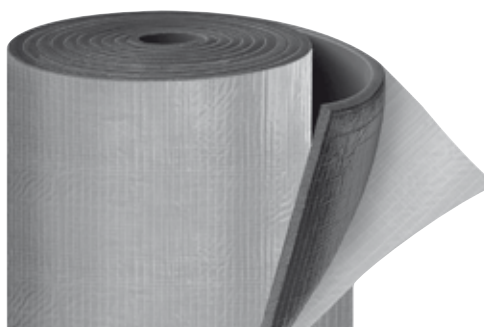
Item No.	Thickness mm	m <sup>2</sup> /box
06EUATR	6	30
10EUATR	10	20
13EUATR	13	14
19EUATR	19	10
25EUATR*	25	8
32EUATR*	32	6

\*Based on minimum purchasing order

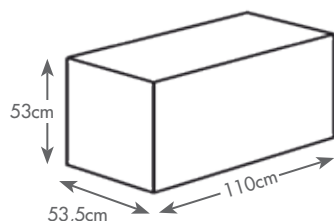


Item No.	Thickness mm	m <sup>2</sup> /box
06EUATR ADR	6	30
10EUATR ADR	10	20
13EUATR ADR	13	14
19EUATR ADR	19	10
25EUATR ADR	25	8
32EUATR ADR	32	6

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



**Packaging dimensions:**  
(volume = 0,30 m<sup>3</sup>)



**Pallet dimensions:**

120 x 210 x 277 cm  
Volume = 7 m<sup>3</sup>  
Box/pallet = 20

120 x 210 x 224 cm  
Volume = 5,64 m<sup>3</sup>  
Box/pallet = 16



# EUROBATEX® AT - SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
FPX 15 R AT ITG	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



# EUROBATEX® AT R

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) with covering film in thermoplastic materials
<b>PRODUCT RANGE:</b>	Tubes in pipe section with thicknesses from 13 mm to 19 mm and diameters from 15 mm to 54 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications. Suitable for all external applications within their temperature range
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14304
<b>ENVIRONMENTAL INFORMATION:</b>	CFC, 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>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. Tubes 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 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/m}\cdot\text{K}$	EN ISO 8497
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	$E_L$	EN 13501-1
<b>OZONE RESISTANCE</b>	Excellent		ISO 7326
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2

\*NB: for applications at lower temperature 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® AT R

CFC, HCFC and PVC-free insulation tubes in flexible expanded rubber foam (FEF), which conform to the European Standard EN 14304. EUROBATEX AT pipes **coated with a seamless polymeric film** in black colour that provides additional weather and mechanical protection. This product is suitable for the thermal insulation of components of systems working with high temperature fluids, up to **+150 °C** in continuous use (solar-heating, industrial steam pipework systems) even in external environments.

## PIPE SECTIONS 2 m LENGTH

With scratch and UV resistant film

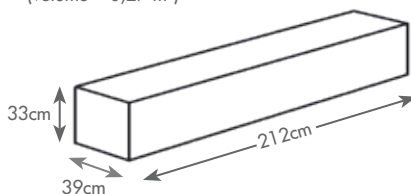
Copper pipe		Steel pipe			PE/PP/PVC pipes	Thickness 13 mm		Thickness 19 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	DN	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
15	5/8				16	13 - 15TAATR	100	19 - 15TAATR	60
18		17,2	10	3/8	3/8	13 - 18TAATR	90	19 - 18TAATR	60
						13 - 24TAATR	70	19 - 24TAATR	44
						13 - 29TAATR	60	19 - 29TAATR	40
					32	13 - 33TAATR	44	19 - 33TAATR	30

Material not in stock, produced on request – lead time 15 workdays

**TALC SOLUTION**



**Packaging dimensions:**  
(volume = 0,27 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
Box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
Box/pallet = 21



## CNX AT1 ADHESIVE

Resistant to temperature up to +150 °C

Item No.	Description	pcs/ct
CNX 425 AT1	425 g - 500 ml tin	24





# EUROSOLAR TWIN SPECIAL

Composite systems consisting of two twinned tubes in corrugated stainless steel (AISI 316 L), high performance elastomeric insulation material and a sensor cable. Produced in rolls of considerable lengths on bobbins, allowing for a more practical, fast and reliable installation and a reduction of waste ensuring substantial savings. The insulation covering is available in brick red colour which helps to enhance the aesthetic appearance of systems (black colour on demand). Supplied with the relevant fittings.

## APPLICATIONS FIELDS



**Industrial**



**Refrigeration**



**Building**



**Solar / High temperature**



**Heating & Plumbing**



**Outdoor applications**



**Air Conditioning**



## EUROSOLAR TWIN SPECIAL

<b>TYPE OF MATERIAL:</b>	Composite system consisting of two twinned tubes of corrugated stainless steel AISI 316 L, EUROBATEX AT insulation coated with a Red Brick coloured polymeric UV resistant film (Black colour on demand) and sensor cable
<b>PRODUCT RANGE:</b>	Tubes in coils in lengths of 10-15-20-25 m, big coils in lengths of 50-100-150 m in DN 16-20-25. Insulation thickness of 10 mm
<b>FIELDS OF APPLICATION:</b>	Production of heat-transfer fluid distribution systems in solar thermal applications or those that work with high temperature fluids (up to +150 °C in continuous operation). Suitable also for external applications
<b>DIMENSIONAL TOLERANCES:</b>	<b>Steel:</b> In accordance with the European Standard EN 10088-2. <b>Insulation:</b> In accordance with the European Standard EN 14304

### TECHNICAL SPECIFICATIONS OF THE CORRUGATED STAINLESS STEEL AISI 316 L TUBE

TYPE (DN)	THICKNESS (mm)	EXTERNAL DIAMETER (mm)
16	0,18	21,6 ± 0,25
20	0,18	26,6 ± 0,25
25	0,20	32,2 ± 0,30

### TECHNICAL SPECIFICATIONS OF THE INSULATION

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>OPERATING TEMPERATURE RANGE</b>	-45 °C +150 °C		EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/mk}$	EN ISO 8497
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E <sub>L</sub>	EN 13501-1
<b>OZONE RESISTANCE</b>	Excellent		ISO 7326
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

### TECHNICAL SPECIFICATIONS OF THE EXTERNAL COVERING

<b>TYPE</b>	LDPE film	
<b>COLOUR</b>	Red brick / Black	
<b>THICKNESS</b>	≈ 350 µm	
<b>ELONGATION AT BREAK (%)</b>	200 MD / 550 TD	ISO 527-3

### TECHNICAL SPECIFICATIONS OF THE SENSOR CABLE

<b>TYPE</b>	Silicon rubber (double thread)	
<b>OPERATING TEMPERATURE RANGE</b>	-60 °C +180 °C	
<b>SECTION</b>	1 mm <sup>2</sup>	EN ISO 12086
<b>NOMINAL TENSION</b>	Uo/U 300/350 V	

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

## EUROSOLAR TWIN SPECIAL

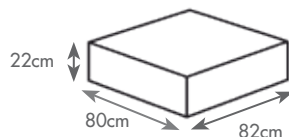
Composite systems consisting of two twinned tubes in corrugated stainless steel AISI 316 L with 10 mm thick insulation covering

Type	Thickness steel tube (mm)	External diameter steel tube (mm)	Coil length (m)	Big coil length (m)
DN 16	0,18	21,6	10, 15, 20, 25	50, 100, 150
DN 20	0,18	26,6	10, 15, 20, 25	50, 100
DN 25	0,20	32,2	15, 20, 25	50, 100

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

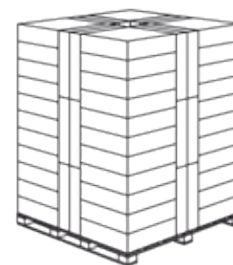
Stainless steel pipe DN 16	
Item No.	m/ct.
10- 22ULTRA 10 M	10
10- 22ULTRA 15 M	15
10- 22ULTRA 20 M	20
10- 22ULTRA 25 M	25
10- 22ULTRA 50 M	50
10- 22ULTRA 100 M	100
10- 22ULTRA 150 M	150

**Coil 10-15m**  
**Packaging dimensions:**  
(volume = 0,14 m<sup>3</sup>)



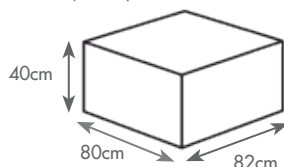
**Pallet dimensions:**

203 x 209 x 254 cm  
Volume = 10,8 m<sup>3</sup>  
Box/pallet = 68



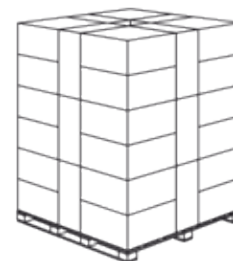
Stainless steel pipe DN 20	
Item No.	m/ct.
10- 28ULTRA 10 M	10
10- 28ULTRA 15 M	15
10- 28ULTRA 20 M	20
10- 28ULTRA 25 M	25
10- 28ULTRA 50 M	50
10- 28ULTRA 100 M	100

**Coil 20-25m**  
**Packaging dimensions:**  
(volume = 0,26 m<sup>3</sup>)



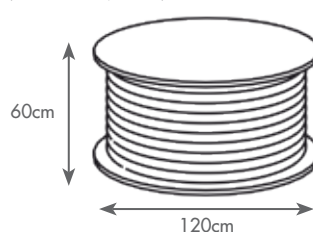
**Pallet dimensions:**

203 x 209 x 252 cm  
Volume = 10,7 m<sup>3</sup>  
Box/pallet = 36



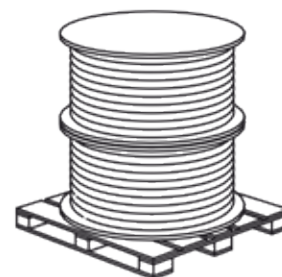
Stainless steel pipe DN 25	
Item No.	m/ct.
10- 35ULTRA 10 M	10
10- 35ULTRA 20 M	20
10- 35ULTRA 25 M	25
10- 35ULTRA 50 M	50
10- 35ULTRA 100 M	100

**Big coil**  
**Packaging dimensions:**  
(volume = 0,86 m<sup>3</sup>)



**Pallet dimensions:**

120 x 132 x 120 cm  
Volume = 1,9 m<sup>3</sup>  
Bobbins/pallet = 2



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

## ACCESSORIES

A range of self flare fittings with different types of attachments and shapes to use for connecting the various parts of the system to be installed.

### Straight fitting male for corrugated tubes

Item No.	pcs/Kit
RAC DN16X1/2 M	4
RAC DN16 X3/4 M	4
RAC DN16 X 1 M	4
RAC DN20X3/4 M	4
RAC DN20X1 M	4
RAC DN25X1 M	4
RAC DN25X1 1/4 M	4

### Straight fitting female for corrugated tubes

Item No.	pcs/Kit
RAC DN16X1/2 F	4
RAC DN16X3/4 F	4
RAC DN16 X 1 F	4
RAC DN20X3/4 F	4
RAC DN20X1 F	4
RAC DN25X1 F	4

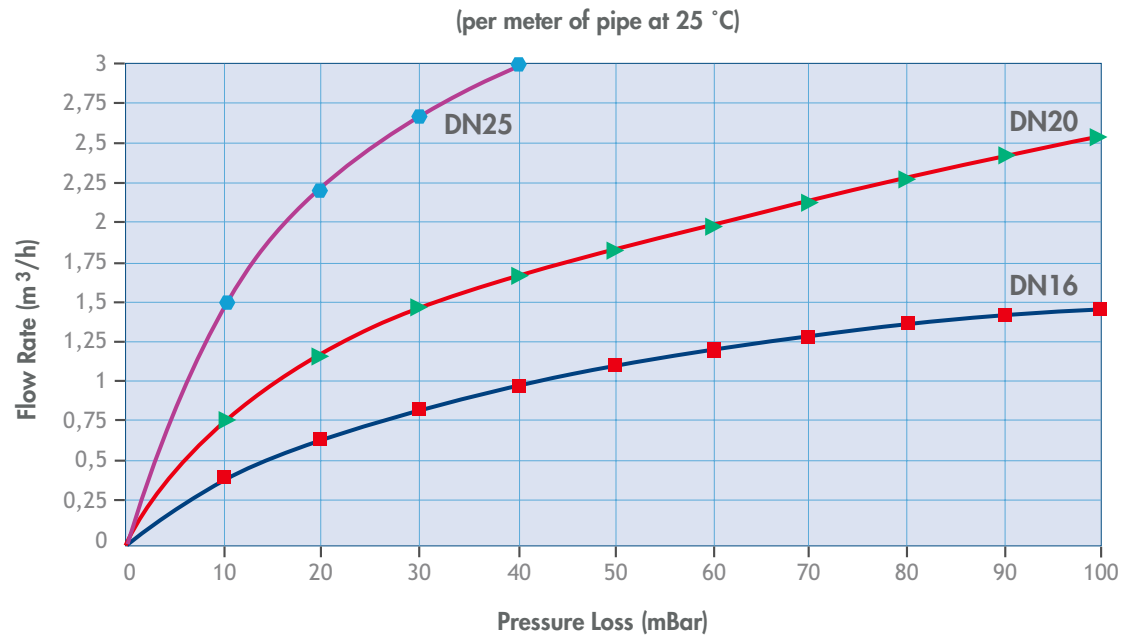
### Straight fitting double corrugated pipe/copper pipe

Item No.	pcs/Kit
RAC DN16X15 RAME	4
RAC DN16X22/18	4
RAC DN16XDN16	4
RAC DN20X22/18	4
RAC DN20 X DN20	4
RAC DN25X22/18	4
RAC DN25 X DN25	4

Material not in stock, produced on request – lead time 15 workdays.



## TABLE OF PRESSURE LOSSES OF CORRUGATED STAINLESS STEEL AISI 316 L PIPES



# 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.

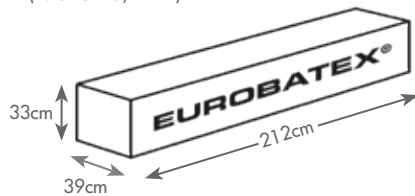
# EUROBATEX® ECOPLUS

## 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 m³)



**Pallet dimensions:**

120 x 210 x 276 cm  
Volume = 6,95 m³  
box/pallet = 24

120 x 210 x 243 cm  
Volume = 6,12 m³  
box/pallet = 21



## CONTINUOUS ROLLS 1000 mm WIDTH

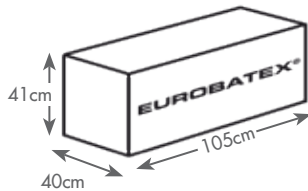
### SELF-ADHESIVE

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



# 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



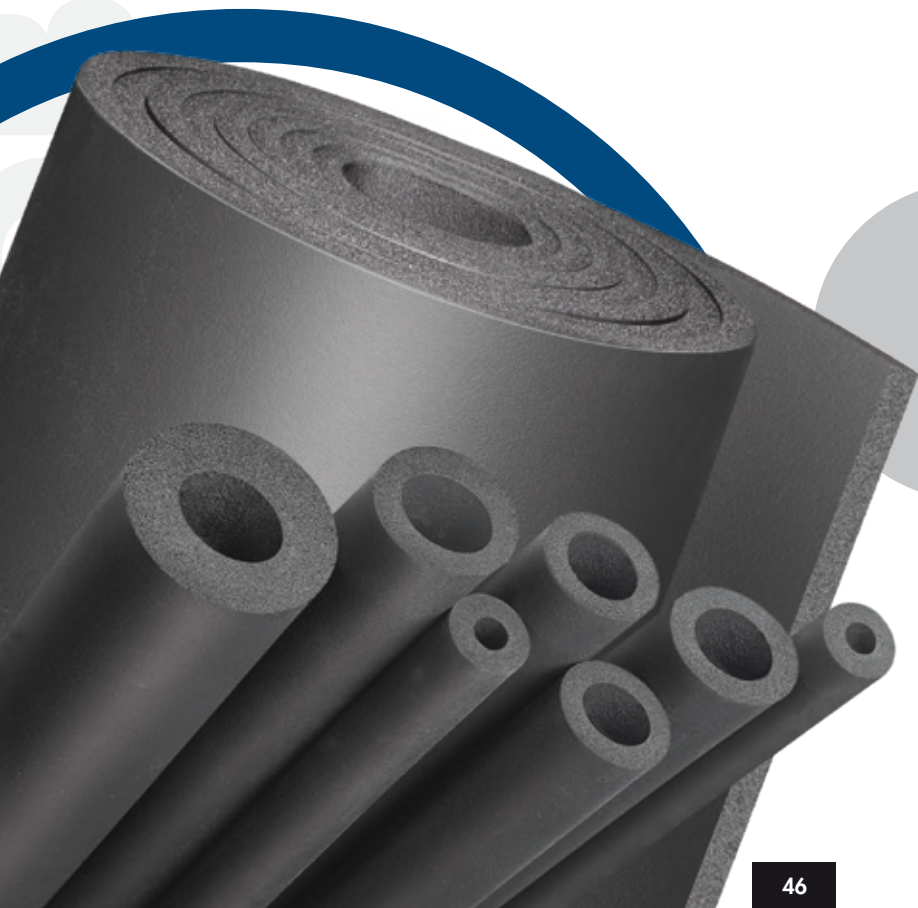
Railways



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, UNCPD 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>	European Standard Euroclass	Tubes: Sheets $\leq 25 \text{ mm}$ : Sheets $> 25 \text{ mm}$ : Sheets for linear application1: Tapes:	D <sub>L</sub> -s1,d0 D-s2,d0 E D <sub>L</sub> -s2,d0 D-s2,d0
	USA, Canada	UL Approved Flame Class: HF-1	UL 94 UL 746 A, UL 746 B
	Swiss Reaction to Fire group	Tubes: RF3 Sheets $\leq 25 \text{ mm}$ : RF3 Sheets $> 25 \text{ mm}$ : 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>ANTIMICROBIAL BEHAVIOUR</b>	No fungal and bacterial growth detected		A.A.T.C.C. Test Method 30 ISO 22196
<b>CORROSION RISK</b>	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.

**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.

Ultra-Fresh is a registered trademark of Thomson Research Associates, Inc.

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

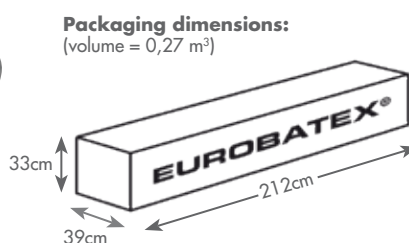
Copper pipe		Steel pipe			Thickness 25 mm		Thickness 32 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
18		17,2	10	3/8	25 - 18EURHF	50	32 - 18EURHF	32
22	7/8	21,3	15	1/2	25 - 22EURHF	42	32 - 22EURHF	32
28	1 1/8	26,9	20	3/4	25 - 28EURHF	40	32 - 28EURHF	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

\*Based on minimum purchasing quantities  
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



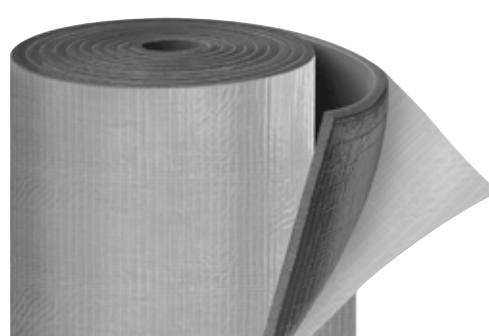
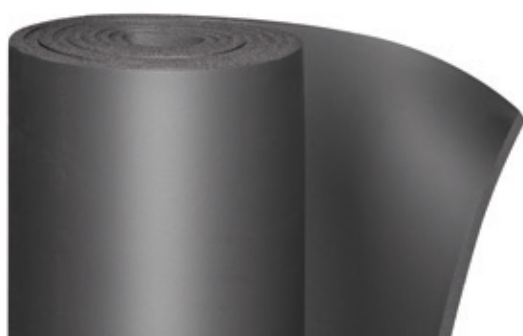


## EUROBATEX® HF - HALOGEN FREE CONTINUOUS ROLLS 1000 mm WIDTH

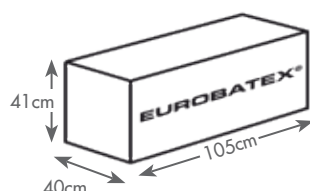
### SELF-ADHESIVE

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



# EUROBATEX® HIGH TECHNOLOGY

CFC and HCFC free, GWP Zero flexible elastomeric foam (FEF) product. A **halogen free** and PVC free insulation material protected with an aluminium and mineral fibre covering, extremely resistant to mechanical abuse and UV radiation, that makes it suitable for external applications.

Its classification **Euroclass B<sub>1-s1,d0</sub>/B-s2,d0** allows a wide range of applications in both building and industrial installations, even the most demanding in terms of fire protection and safety standards. The product is also suitable for **marine applications**.

## APPLICATIONS FIELDS



Industrial



Refrigeration



Building



Marine



Heating & Plumbing



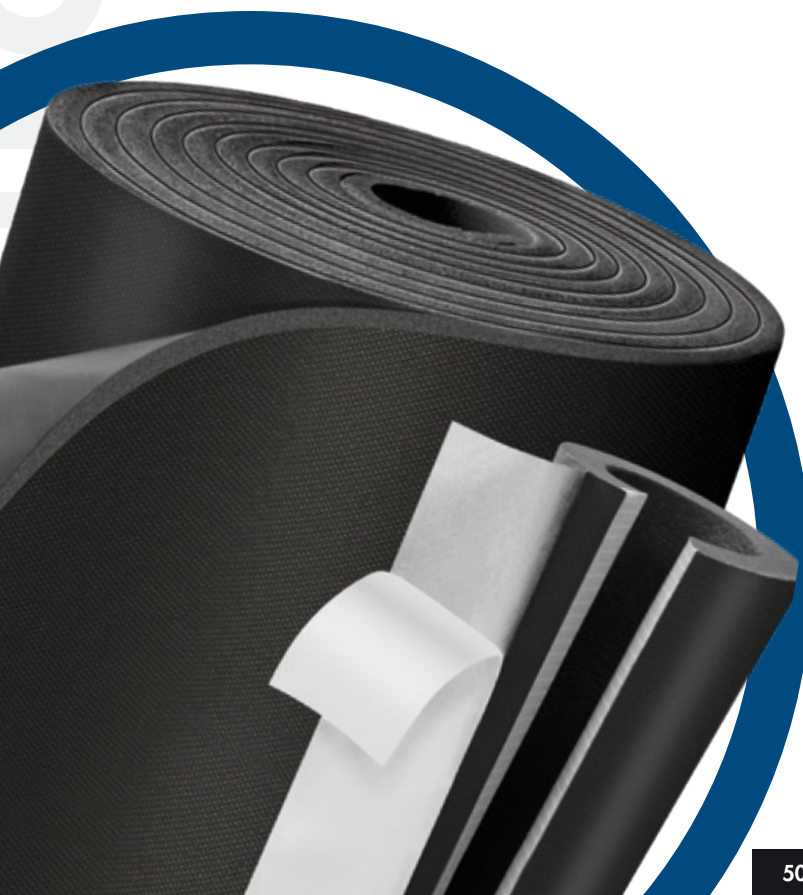
Oil & Gas



Air Conditioning



Outdoor applications



# EUROBATEX® HIGH TECHNOLOGY



<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) covered with a mineral fibre based jacketing with black external quality finish. Does not contain halogens (Chlorine, Bromine, Fluorine) and PVC
<b>PRODUCT RANGE:</b>	Self-adhesive pipe sections of 1 m with thicknesses from 13 to 25 mm and diameters from 14 to 170 mm. Sheets in rolls (also in self-adhesive version) with thickness from 6 to 32 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration and air conditioning services in industrial, commercial and institutional applications. Especially suitable for marine and civil engineering applications working at high temperature and when a higher standard of safety in case of fire is 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)
<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 environments 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. The 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
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/m}\cdot\text{K}$	EN 12667
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	Tubes: B <sub>L</sub> -s1,d0 Sheets: B-s2,d0	EN 13501-1
<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 Mod. B and D)
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2

## CHARACTERISTICS OF THE COVERING

PHYSICAL PROPERTIES	REFERENCE VALUES
<b>THICKNESS</b>	$\approx 200 \mu\text{m}$
<b>WEIGHT</b>	$\approx 250 \text{ g/m}^2$
External finishing colour: black	

\*NB: for application at lower temperatures please contact our technical department.  
For self-adhesive products, the maximum operating temperature is +90 °C.

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

# EUROBATEX® HIGH TECHNOLOGY

Black coloured external finishing

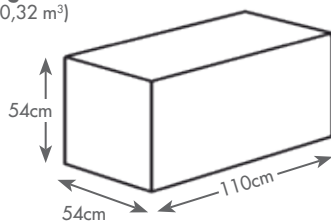
## PRE-CUT, SELF-ADHESIVE PIPE SECTIONS 1m LENGTH

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
14		13,5	8	1/4	13 - 15EURHF GLAS	136	19 - 15EURHF GLAS	78		
18		17,2	10	3/8	13 - 18EURHF GLAS	118	19 - 18EURHF GLAS	72	25 - 18EURHF GLAS	50
22	7/8	21,3	15	1/2	13 - 22EURHF GLAS	98	19 - 22EURHF GLAS	64	25 - 22EURHF GLAS	42
28	1 1/8	26,9	20	3/4	13 - 28EURHF GLAS	78	19 - 28EURHF GLAS	48	25 - 28EURHF GLAS	40
35	1 3/8	33,7	25	1	13 - 35EURHF GLAS	58	19 - 35EURHF GLAS	40	25 - 35EURHF GLAS	32
42	1 5/8	42,4	32	1 1/4	13 - 42EURHF GLAS	48	19 - 42EURHF GLAS	40	25 - 42EURHF GLAS	26
48		48,3	40	1 1/2	13 - 48EURHF GLAS	40	19 - 48EURHF GLAS	32	25 - 48EURHF GLAS	28
54	2 1/8				13 - 54EURHF GLAS	34	19 - 54EURHF GLAS	32	25 - 54EURHF GLAS	22
60		60,3	50	2	13 - 60EURHF GLAS	32	19 - 60EURHF GLAS	28	25 - 60EURHF GLAS	18
76,1		76,1	65	2 1/2	13 - 76EURHF GLAS	26	19 - 76EURHF GLAS	20	25 - 76EURHF GLAS	10
88,9		88,9	80	3	13 - 90EURHF GLAS	24	19 - 90EURHF GLAS	16	25 - 90EURHF GLAS	12
114		114,3	100	4	13 - 114EURHF GLAS	16	19 - 114EURHF GLAS	14	25 - 114EURHF GLAS	8
140		139,7	125	5	13 - 139EURHF GLAS	12	19 - 139EURHF GLAS	8	25 - 139EURHF GLAS	4

Material not in stock, produced on request – lead time 15 workdays

### Packaging dimensions:

(volume = 0,32 m³)



### Pallet dimensions:

120 x 210 x 282 cm  
Volume = 7,10 m³  
Box/pallet = 20

120 x 210 x 228 cm  
Volume = 5,74 m³  
Box/pallet = 16



## EUROBATEX® HIGH TECHNOLOGY

Black coloured external finishing

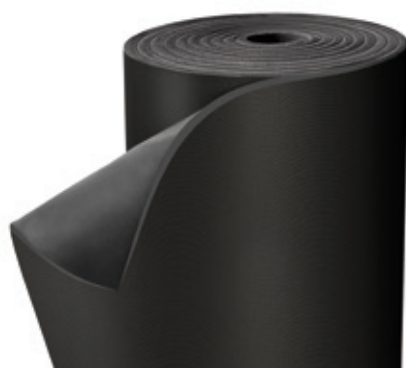
**CONTINUOUS ROLLS 1000 mm WIDTH**

### SELF-ADHESIVE

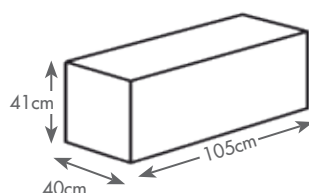
Item No.	Thickness mm	m <sup>2</sup> /box
06EURHFPS GLAS N	6	15
10EURHFPS GLAS N	10	10
13EURHFPS GLAS N	13	8
19EURHFPS GLAS N	19	6
25EURHFPS GLAS N	25	4
32EURHFPS GLAS N	32	3

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

Material not in stock, produced on request – lead time 15 workdays

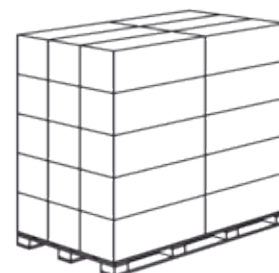


**Packaging dimensions:**  
(volume = 0,17 m<sup>3</sup>)



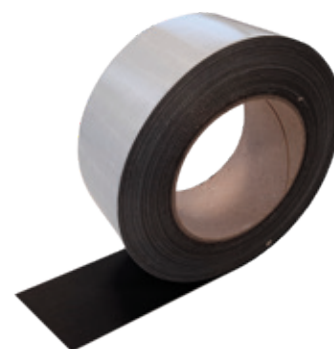
**Pallet dimensions:**

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



## GLASTEC SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
NC GLAS N 50x25 M	black adhesive tape, width 50 mm x 25 m length	20
NC GLAS N 75x25 M	black adhesive tape, width 75 mm x 25 m length	13
NC GLAS N 100x25 M	black adhesive tape, width 100 mm x 25 m length	10



## 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





## EUROBATEX® ISOLTEC

Eurobatex tubes and sheets with Isoltec jacketing factory applied.

Isoltec jacketing is a high performance product made up in 3 layers: the base layer is unplasticized PVC, the second layer is a Aluminium foil and the top layer is a transparent polymeric film. The composite jacketing has **very good puncture resistance**, is aesthetically pleasing and provides **long term weather protection**. Isoltec jacketing is also sold separately and so can be used over existing Eurobatex pipe and sheet insulation or can be applied at the same time on site and thereby allow the contractor to stagger joints between the insulation and jacketing layers.

Isoltec jacketing has the appearance of metal jacketing but the transparent film gives a system with a high emissivity surface with the benefits that this offers for condensation control. The Jacketing has good fire performance characteristics and the system has **high resistance to water penetration** so that it can be used on internal pipework which needs to be washed down regularly. Eurobatex and Isoltec together offer premium system able to protect external refrigeration pipework from persistent bird attack and a tough, good looking, hygienic system able to insulate internal pipework in food factories, dairies and abattoirs where power hoses are in regular use.

### APPLICATIONS FIELDS



Industrial



Air Conditioning



Outdoor applications



Building



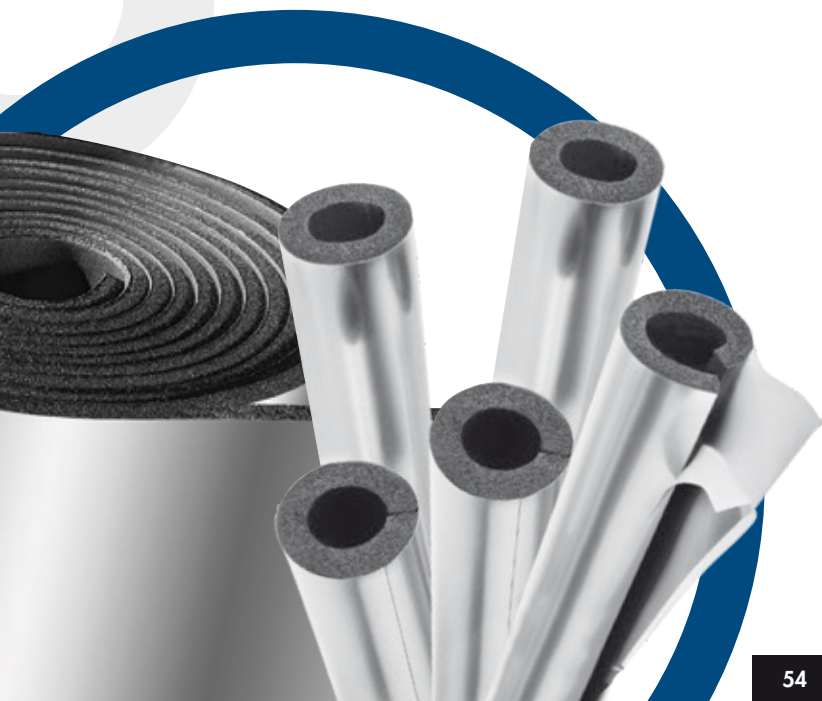
Refrigeration



Heating & Plumbing



Oil & Gas





# EUROBATEX® ISOLTEC

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) coupled with a 3 layered coating; PVC, aluminium and UV resistant film
<b>PRODUCT RANGE:</b>	Pipe sections of 1 m length, in thicknesses from 9 mm to 60 mm and diameters from 15 mm to 170 mm. Sheets in rolls (also in self-adhesive version) with thicknesses from 6 mm to 50 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation for commercial and industrial applications involving cold and hot ducts, large pipes and vessels, also for external applications
<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)
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive material: acrylate based adhesive coating reinforced with mesh structure. Protection liner made of polyolefin. Traces of silicon can be found on the protective foil of the adhesive coating
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. 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 +110 °C		EN 14706 / EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	Tubes ≤25 mm: $\lambda \leq 0,033$ W/m·K Tubes >25 mm: $\lambda \leq 0,035$ W/m·K Sheets ≤32 mm: $\lambda \leq 0,033$ W/m·K Sheets >32 mm: $\lambda \leq 0,034$ W/m·K	EN 12667 / EN ISO 8497
	At a mean temperature of +40 °C	Tubes ≤25 mm: $\lambda \leq 0,037$ W/m·K Tubes >25 mm: $\lambda \leq 0,039$ W/m·K Sheets ≤32 mm: $\lambda \leq 0,037$ W/m·K Sheets >32 mm: $\lambda \leq 0,038$ W/m·K	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 13469 / EN 12096
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	Tubes: $C_L-s2,d0$ Sheets: $C-s3,d0$	EN 13501-1
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2

## CHARACTERISTICS OF THE COATING

PHYSICAL PROPERTIES	UNIT OF MEASURE	REFERENCE VALUES	TEST METHOD
<b>COLOUR</b>	-	Aluminium	-
<b>WEIGHT</b>	g/m <sup>2</sup>	≈ 400	EN 22-286
<b>THICKNESS</b>	μm	280 ± 5	-
<b>BREAKING LOAD</b>	N/mm <sup>2</sup>	> 35	EN ISO 527-3
<b>ELONGATION AT BREAK</b>	%	40	EN ISO 527-3
<b>TEAR RESISTANCE</b>	N	80	EN ISO 527-3
<b>PERFORATION RESISTANCE Ø 0,3 mm</b>	N	100	EN 14477
<b>UV STABILITY TEST</b>	-	Excellent	-
<b>AIR LAYER THICKNESS (SD)</b>	m	> 1500	-
<b>EMISSIONITY E</b>	-	0,94	-

\*NB: for application at lower temperatures please contact our technical department.  
For self-adhesive sheets, the maximum operating temperature is +90 °C.

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

# EUROBATEX® ISOLTEC

## PRE-CUT, SELF-ADHESIVE PIPE SECTIONS 1m LENGTH

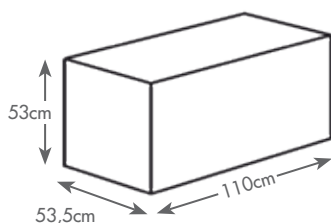
Copper pipe		Steel pipe			Thickness 13 mm		Thickness 19 mm	
Ext. Ø mm	Ext. Ø inches	Ext. Ø mm	DN	NPS	Item No. thickness x ID	m/ct	Item No. thickness x ID	m/ct
15	5/8				13 - 15EUR 0 TEC	136	19 - 15EUR 0 TEC	78
18		17,2	10	3/8	13 - 18EUR 0 TEC	118	19 - 18EUR 0 TEC	72
22	7/8	21,3	15	1/2	13 - 22EUR 0 TEC	98	19 - 22EUR 0 TEC	64
28	1 1/8	26,9	20	3/4	13 - 28EUR 0 TEC	78	19 - 28EUR 0 TEC	48
35	1 3/8	33,7	25	1	13 - 35EUR 0 TEC	58	19 - 35EUR 0 TEC	44
42	1 5/8	42,4	32	1 1/4	13 - 42EUR 0 TEC	48	19 - 42EUR 0 TEC	40
48		48,3	40	1 1/2	13 - 48EUR 0 TEC	40	19 - 48EUR 0 TEC	32
54	2 1/8				13 - 54EUR 0 TEC	34	19 - 54EUR 0 TEC	32
60		60,3	50	2	13 - 60EUR 0 TEC	32	19 - 60EUR 0 TEC	28
76,1		76,1	65	2 1/2	13 - 76EUR 0 TEC	26	19 - 76EUR 0 TEC	20
88,9		88,9	80	3	13 - 90EUR 0 TEC	24	19 - 90EUR 0 TEC	16
101					13 - 101EUR 0 TEC	16	19 - 101EUR 0 TEC	16
114		114,3	100	4	13 - 114EUR 0 TEC	16	19 - 114EUR 0 TEC	14
127					13 - 127EUR 0 TEC	12	19 - 127EUR 0 TEC	10
133					13 - 133EUR 0 TEC	12	19 - 133EUR 0 TEC	8
140		139,7	125	5	13 - 139EUR 0 TEC	12	19 - 139EUR 0 TEC	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 - 18EUR 0 TEC	50	32 - 18EUR 0 TEC	32
22	7/8	21,3	15	1/2	25 - 22EUR 0 TEC	42	32 - 22EUR 0 TEC	32
28	1 1/8	26,9	20	3/4	25 - 28EUR 0 TEC	40	32 - 28EUR 0 TEC	24
35	1 3/8	33,7	25	1	25 - 35EUR 0 TEC	32	32 - 35EUR 0 TEC	24
42	1 5/8	42,4	32	1 1/4	25 - 42EUR 0 TEC	26	32 - 42EUR 0 TEC	20
48		48,3	40	1 1/2	25 - 48EUR 0 TEC	22	32 - 48EUR 0 TEC	18
54	2 1/8				25 - 54EUR 0 TEC	22	32 - 54EUR 0 TEC	14
60		60,3	50	2	25 - 60EUR 0 TEC	18	32 - 60EUR 0 TEC	14
76,1		76,1	65	2 1/2	25 - 76EUR 0 TEC	16	32 - 76EUR 0 TEC	10
88,9		88,9	80	3	25 - 90EUR 0 TEC	12	32 - 90EUR 0 TEC	10
101					25 - 101EUR 0 TEC	10	32 - 101EUR 0 TEC	8
114		114,3	100	4	25 - 114EUR 0 TEC	10	32 - 114EUR 0 TEC	8
133					25 - 133EUR 0 TEC	6	32 - 133EUR 0 TEC	6
140		139,7	125	5	25 - 139EUR 0 TEC	6	32 - 139EUR 0 TEC	6

Different thicknesses and diameters available on request.  
Material not in stock, produced on request – lead time 15 workdays

### Packaging dimensions:

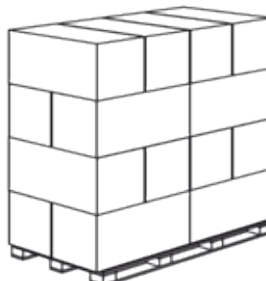
(volume = 0,30 m³)



### Pallet dimensions:

120 x 210 x 277 cm  
Volume = 7 m³  
Box/pallet = 20

120 x 210 x 224 cm  
Volume = 5,64 m³  
Box/pallet = 16



# EUROBATEX® ISOLTEC

## CONTINUOUS ROLLS 1000 mm WIDTH

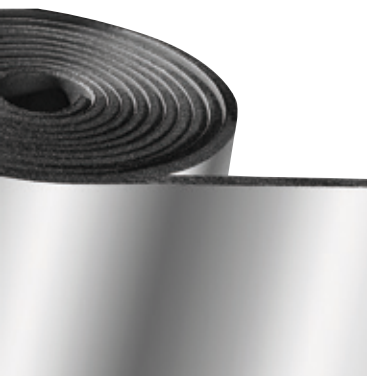
### SELF-ADHESIVE

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R TEC	6	30
10EUR R TEC	10	20
13EUR R TEC	13	14
19EUR R TEC	19	10
25EUR R TEC	25	8
32EUR R TEC	32	6

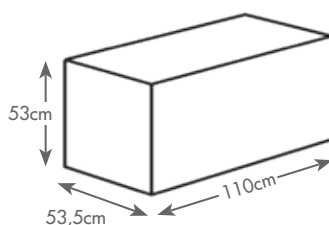
Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R TEC ADR	6	30
10EUR R TEC ADR	10	20
13EUR R TEC ADR	13	14
19EUR R TEC ADR	19	10
25EUR R TEC ADR	25	8
32EUR R TEC ADR	32	6

Different thicknesses available on request.

Material not in stock, produced on request – lead time 15 workdays



**Packaging dimensions:**  
(volume = 0,30 m<sup>3</sup>)



**Pallet dimensions:**

120 x 210 x 277 cm  
Volume = 7 m<sup>3</sup>  
Box/pallet = 20

120 x 210 x 224 cm  
Volume = 5,64 m<sup>3</sup>  
Box/pallet = 16



# EUROBATEX® ISOLTEC ELBOWS

Copper pipe	Steel pipe	Thickness 13 mm		Thickness 19 mm		Thickness 25 mm		Thickness 32 mm	
Ext. Ø mm	DN	Item No. thickness x ID	pcs/ct	Item No. thickness x ID	pcs/ct	Item No. thickness x ID	pcs/ct	Item No. thickness x ID	pcs/ct
18	10	CTECG 13 - 18	1	CTECG 19 - 18	1	CTECG 25 - 18	1	CTECG 32 - 18	1
22	15	CTECG 13 - 22	1	CTECG 19 - 22	1	CTECG 25 - 22	1	CTECG 32 - 22	1
28	20	CTECG 13 - 28	1	CTECG 19 - 28	1	CTECG 25 - 28	1	CTECG 32 - 28	1
35	25	CTECG 13 - 35	1	CTECG 19 - 35	1	CTECG 25 - 35	1	CTECG 32 - 35	1
42	32	CTECG 13 - 42	1	CTECG 19 - 42	1	CTECG 25 - 42	1	CTECG 32 - 42	1
48	40	CTECG 13 - 48	1	CTECG 19 - 48	1	CTECG 25 - 48	1	CTECG 32 - 48	1
54		CTECG 13 - 54	1	CTECG 19 - 54	1	CTECG 25 - 54	1	CTECG 32 - 54	1
60	50	CTECG 13 - 60	1	CTECG 19 - 60	1	CTECG 25 - 60	1	CTECG 32 - 60	1
76,1	65	CTECG 13 - 76	1	CTECG 19 - 76	1	CTECG 25 - 76	1	CTECG 32 - 76	1
88,9	80	CTECG 13 - 89	1	CTECG 19 - 89	1	CTECG 25 - 89	1	CTECG 32 - 89	1
101		CTECG 13 - 101	1	CTECG 19 - 101	1	CTECG 25 - 101	1	CTECG 32 - 101	1
114	100	CTECG 13 - 114	1	CTECG 19 - 114	1	CTECG 25 - 114	1	CTECG 32 - 114	1
133		CTECG 13 - 133	1	CTECG 19 - 133	1	CTECG 25 - 133	1	CTECG 32 - 133	1
140	125	CTECG 13 - 140	1	CTECG 19 - 140	1	CTECG 25 - 140	1	CTECG 32 - 140	1

For different thicknesses and diameters please contact our technical department.

Material not in stock, produced on request – lead time 15 workdays



# ISOLTEC ELBOWS

Copper pipe	Steel pipe	Insulation thickness 13 mm		Insulation thickness 15 mm	
Ext. Ø mm	DN	Item No. thickness x ID	pcs/ct	Item No. thickness x ID	pcs/ct
18	10	CTEC - 050	5	CTEC - 050	5
22	15	CTEC - 050	5	CTEC - 050	5
28	20	CTEC - 060	5	CTEC - 060	5
35	25	CTEC - 060	5	CTEC - 070	5
42	32	CTEC - 070	5	CTEC - 080	5
48	40	CTEC - 080	5	CTEC - 080	5
54		CTEC - 080	5	CTEC - 090	5
60	50	CTEC - 090	5	CTEC - 090	5
76,1	65	CTEC - 100	5	CTEC - 110	5
88,9	80	CTEC - 120	5	CTEC - 120	5
101		CTEC - 140	1	CTEC - 130	5
114	100	CTEC - 140	1	CTEC - 150	1
133		CTEC - 170	1	CTEC - 170	1
140	125	CTEC - 170	1	CTEC - 170	1

Copper pipe	Steel pipe	Insulation thickness 20 mm		Insulation thickness 25 mm		Insulation thickness 32 mm	
Ext. Ø mm	DN	Item No. thickness x ID	pcs/ct	Item No. thickness x ID	pcs/ct	Item No. thickness x ID	pcs/ct
18	10	CTEC - 060	5	CTEC - 070	5	CTEC - 080	5
22	15	CTEC - 070	5	CTEC - 080	5	CTEC - 090	5
28	20	CTEC - 070	5	CTEC - 080	5	CTEC - 090	5
35	25	CTEC - 080	5	CTEC - 090	5	CTEC - 100	5
42	32	CTEC - 090	5	CTEC - 100	5	CTEC - 110	5
48	40	CTEC - 090	5	CTEC - 100	5	CTEC - 110	5
54		CTEC - 100	5	CTEC - 110	5	CTEC - 120	5
60	50	CTEC - 100	5	CTEC - 110	5	CTEC - 120	5
76,1	65	CTEC - 120	5	CTEC - 130	5	CTEC - 140	1
88,9	80	CTEC - 130	5	CTEC - 140	1	CTEC - 150	1
101		CTEC - 150	1	CTEC - 160	1	CTEC - 170	1
114	100	CTEC - 160	1	CTEC - 170	1	CTEC - 180	1
133		CTEC - 180	1	CTEC - 190	1	CTEC - 200	1
140	125	CTEC - 190	1	CTEC - 200	1	CTEC - 210	1

Material not in stock, produced on request – lead time 15 workdays



## ISOLTEC JACKETING

Item No.	Roll dimension	m <sup>2</sup> /box
ALUPAK 230	width 1 m x 25 m length	25



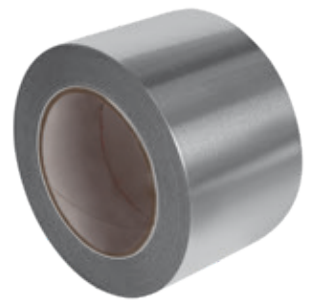
### CHARACTERISTICS OF THE COATING

PHYSICAL PROPERTIES	UNIT OF MEASURE	REFERENCE VALUES	TEST METHOD
COLOUR	-	Aluminium	-
WEIGHT	g/m <sup>2</sup>	≈ 340	EN 22-286
THICKNESS	μm	230 ± 5	-
BREAKING LOAD	N/mm <sup>2</sup>	> 35	EN ISO 527-3
ELONGATION AT BREAK	%	48	EN ISO 527-3
TEAR RESISTANCE	N	70	EN ISO 527-3
PERFORATION RESISTANCE Ø 0,3 mm	N	23	EN 14477
UV STABILITY TEST	-	Excellent	-
AIR LAYER THICKNESS (SD)	m	1300	-
EMISSIONITY ε	-	0,94	-

## ISOLTEC SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
NCA 25x50 TEC	aluminium tape width 25 mm x 50 m length	12
NCA 50x50 TEC	aluminium tape width 50 mm x 50 m length	12

Tapes with different width available upon request



## 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



# EUROBATEX® UV PROTECTION

EUROBATEX sheet with a pigmented polyethylene film factory applied.  
The polyethylene film is **UV resistant** and allows the product to be used externally without painting. It is flexible, washable and significantly improves the resistance of the system to casual mechanical damage.

## APPLICATIONS FIELDS



Industrial



Refrigeration



Building



Oil & Gas



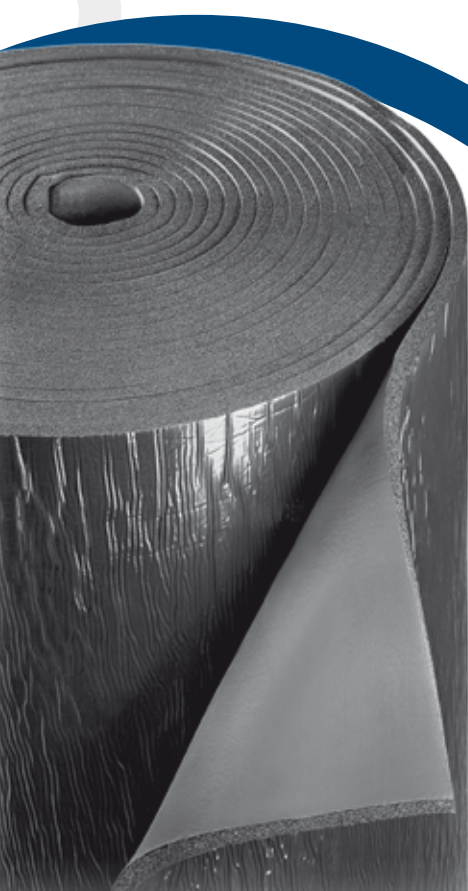
Heating & Plumbing



Outdoor applications



Air Conditioning





# EUROBATEX® UV PROTECTION

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) coupled with a high UV resistant polyolefinic film
<b>PRODUCT RANGE:</b>	Sheets in roll (also available in self adhesive version) with thicknesses from 6 mm to 50 mm. Tapes with a thickness of 3 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications. Suitable also for external applications
<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)
<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 environments 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 +110 °C		EN 14706
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	Sheets: $\leq 32$ mm: $\lambda \leq 0,033$ W/m-K Sheets: $> 32$ mm: $\lambda \leq 0,034$ W/m-K	EN 12667
	At a mean temperature of +40 °C	Sheets: $\leq 32$ mm: $\lambda \leq 0,037$ W/m-K Sheets: $> 32$ mm: $\lambda \leq 0,038$ W/m-K	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E	EN 13501-1
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

## CHARACTERISTICS OF THE COVERING

PHYSICAL PROPERTIES	REFERENCE VALUES
<b>COLOUR</b>	Black
<b>WEIGHT</b>	$\approx 65$ g/m <sup>2</sup>
<b>THICKNESS</b>	$\approx 70$ $\mu$ m

\*NB: for application at lower temperatures please contact our technical department.  
For self-adhesive sheets and tapes, the maximum operating temperature is +90 °C.

**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® UV PROTECTION

Polyolefinic film external finishing

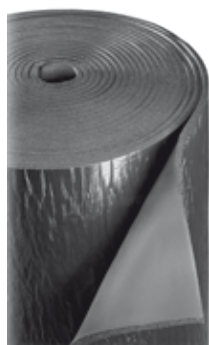
## CONTINUOUS ROLLS 1000 mm WIDTH

### SELF-ADHESIVE

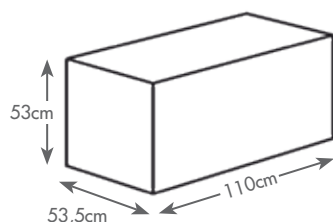
Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R UV	6	30
10EUR R UV	10	20
13EUR R UV	13	14
19EUR R UV	19	10
25EUR R UV	25	8
32EUR R UV	32	6

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R UV ADR	6	30
10EUR R UV ADR	10	20
13EUR R UV ADR	13	14
19EUR R UV ADR	19	10
25EUR R UV ADR	25	8
32EUR R UV ADR	32	6

Different thicknesses are available on request.  
Material not in stock, produced on request – lead time 15 workdays



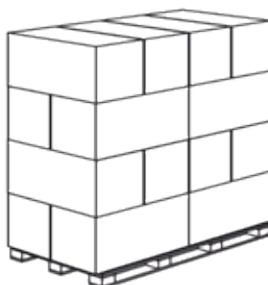
**Packaging dimensions:**  
(volume = 0,30 m<sup>3</sup>)



**Pallet dimensions:**

120 x 210 x 277 cm  
Volume = 7 m<sup>3</sup>  
Box/pallet = 20

120 x 210 x 224 cm  
Volume = 5,64 m<sup>3</sup>  
Box/pallet = 16



## EUROBATEX® UV PROTECTION SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
FPX 10 UV	thickness 3 mm x 50 mm width - 10 m length	24



## 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



# EUROBATEX® PEN/PEAL

Insulating sheets made of CFC and HCFC free closed-cell flexible elastomeric foam (FEF) in accordance with the European Standard EN 14304.

**Protected by an external PE coating** with a scratch-resistant embossed finishing (in either aluminium or black colour) that guarantees **excellent mechanical resistance**. These insulating sheets are especially suitable for the thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications.

## APPLICATIONS FIELDS



Industrial



Air Conditioning



Building



Refrigeration



Heating & Plumbing

# EUROBATEX® PEN/PEAL

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF) coupled with a 3 mm layer of reticulated PE foam and exterior embossed finishing PE film in either black or aluminium colour
<b>PRODUCT RANGE:</b>	Sheets in rolls (also available in self-adhesive version) with thicknesses from 6 mm to 50 mm (plus the 3 mm thick covering)
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications
<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).
<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 environments 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 +110 °C		EN 14706
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	Sheets: $\leq 32$ mm: $\lambda \leq 0,033$ W/m·K Sheets: $> 32$ mm: $\lambda \leq 0,034$ W/m·K	EN 12667
	At a mean temperature of +40 °C	Sheets: $\leq 32$ mm: $\lambda \leq 0,037$ W/m·K Sheets: $> 32$ mm: $\lambda \leq 0,038$ W/m·K	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E	EN 13501-1
<b>UV RESISTANCE</b>	PEN	Good	UNI ISO 4892-2
	PEAL	Excellent	
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

\*NB: for application at lower temperatures please contact our technical department.  
For self-adhesive sheets and tapes, the maximum operating temperature is +90 °C.

**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.

# CHARACTERISTICS OF THE PEN/PEAL COVERINGS

## CHARACTERISTICS OF THE COVERING IN RETICULATED PE FOAM, THICKNESS 3 mm

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
DENSITY	29 ± 10 kg/m <sup>3</sup>		ISO 845
TENSILE STRENGTH	Squareness	0,24 MPa	ISO 1798
	Transverse	0,18 MPa	
ELONGATION AT BREAK	Squareness	125%	ISO 1798
	Transverse	120%	
COMPRESSION RESISTANCE	10%	15 kPa	ISO 3386-1
	25%	33 kPa	
	50%	88 kPa	
COMPRESSION SET 25% (22h, 23 °C)	After 0,5h	20%	ISO 1856
	After 24h	13%	
COMPRESSION SET 50% (22h, 23 °C)	After 0,5h	44%	ISO 1856
	After 24h	34%	
DIMENSIONAL STABILITY	100 °C		ISO 2796

## CHARACTERISTICS OF THE COVERING IN PE, THICKNESS 35 µm (BLACK OR ALUMINIUM)

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
THICKNESS	35 µm		Internal test
DENSITY	0,922 g/m <sup>3</sup>		Internal test
TENSILE STRENGTH	MD	23 - 27 MPa	ASTM D882A
	TD	18 - 23 MPa	
ELONGATION AT BREAK	MD	200 - 300%	ASTM D882A
	TD	750- 850%	
SOFTENING POINT (Vicat)	96 °C		ASTM D1525

## EUROBATEX® PEN

Eurobatex sheet coupled with reticulated PE coat covered with black (PEN) embossed film

### CONTINUOUS ROLLS 1000 mm WIDTH

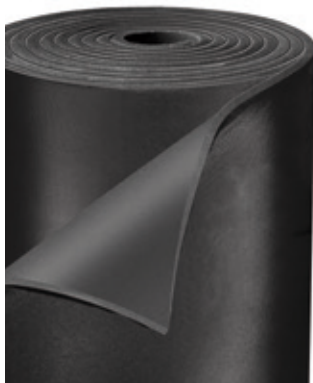
#### SELF-ADHESIVE

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R PEN S	6 + 3	30
10EUR R PEN S	10 + 3	20
13EUR R PEN S	13 + 3	14
16EUR R PEN S	16 + 3	12
19EUR R PEN S	19 + 3	10
25EUR R PEN S	25 + 3	8
32EUR R PEN S	32 + 3	6

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R PENAD S	6 + 3	30
10EUR R PENAD S	10 + 3	20
13EUR R PENAD S	13 + 3	14
16EUR R PENAD S	16 + 3	12
19EUR R PENAD S	19 + 3	10
25EUR R PENAD S	25 + 3	8
32EUR R PENAD S	32 + 3	6

Different thicknesses available on request

Material not in stock, produced on request – lead time 15 workdays



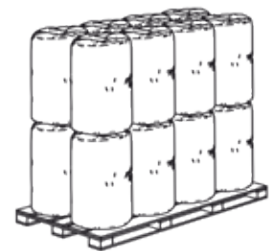
Single packaging:



Pallet dimensions:

120 x 210 x 282 cm  
Volume = 7,10 m<sup>3</sup>  
Bags/pallet = 20

120 x 210 x 228 cm  
Volume = 5,74 m<sup>3</sup>  
Bags/pallet = 16



## PEN SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
FPE 1,5 PEN 25M	1,5 mm thickness PE foam tape + black colour embossed film: width 50 mm x 25 m length	12





## EUROBATEX® PEAL

Eurobatex sheet coupled with reticulated PE coat covered with aluminium colour (PEAL) embossed film

### CONTINUOUS ROLLS 1000 mm WIDTH

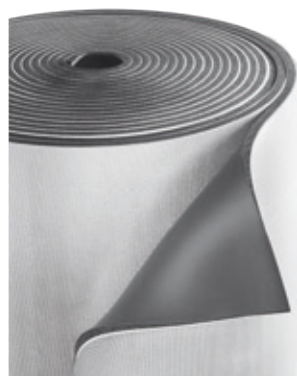
#### SELF-ADHESIVE

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R PEAL S	6 + 3	30
10EUR R PEAL S	10 + 3	20
13EUR R PEAL S	13 + 3	14
16EUR R PEAL S	16 + 3	12
19EUR R PEAL S	19 + 3	10
25EUR R PEAL S	25 + 3	8
32EUR R PEAL S	32 + 3	6

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR R PEALAD S	6 + 3	30
10EUR R PEALAD S	10 + 3	20
13EUR R PEALAD S	13 + 3	14
16EUR R PEALAD S	16 + 3	12
19EUR R PEALAD S	19 + 3	10
25EUR R PEALAD S	25 + 3	8
32EUR R PEALAD S	32 + 3	6

Different thicknesses available on request

Material not in stock, produced on request – lead time 15 workdays



Single packaging:



Pallet dimensions:

120 x 210 x 282 cm  
Volume = 7,10 m<sup>3</sup>  
Bags/pallet = 20

120 x 210 x 228 cm  
Volume = 5,74 m<sup>3</sup>  
Bags/pallet = 16



## PEAL SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
FPE 1,5 PEAL 25M	1,5 mm thickness PE foam tape + aluminium colour embossed film: width 50 mm x 25 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



# EUROBATEX® DUCT

CFC and HCFC free, GWP zero **self-adhesive sheets** in roll form made of Flexible Elastomeric Foam complying with European Standard EN 14304. This material has an integral vapour barrier, is suitable for the thermal insulation of hot, cold and dual temperature ductwork and also for large diameter pipes and vessels including those with a complex surface shape.

The range is available in a **width of 1500 mm** to minimise wastage, improve installation times and thereby reduce costs.

## APPLICATIONS FIELDS



Industrial



Air Conditioning



Building



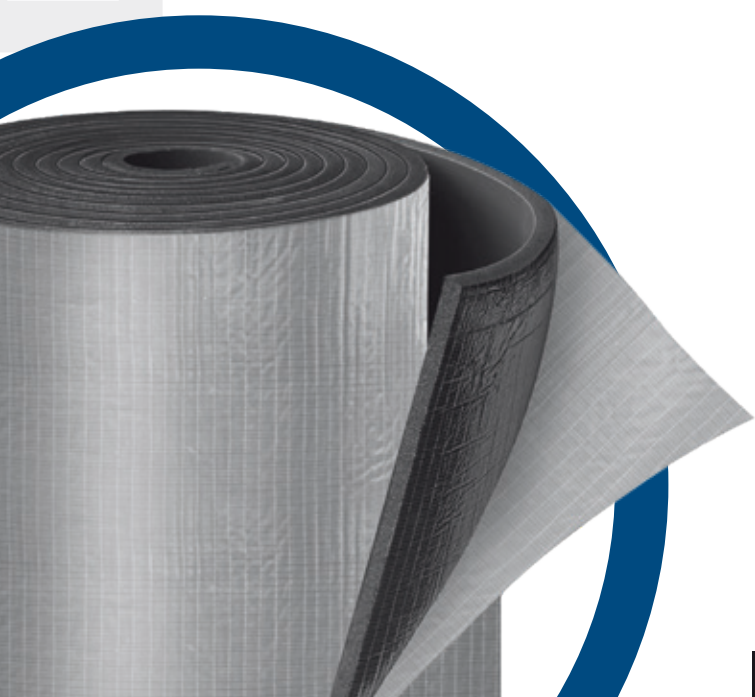
Refrigeration



Heating & Plumbing



Oil & Gas



# EUROBATEX® DUCT

<b>TYPE OF MATERIAL:</b>	Black closed-cell flexible elastomeric foam (FEF)
<b>PRODUCT RANGE:</b>	1500 mm wide self-adhesive sheets in rolls, in thickness from 6 to 30 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation for commercial and industrial applications involving cold and hot ducts, large pipes and vessels
<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)
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive material: the self-adhesive coating is based on modified acrylate; reinforced with mesh structure. Protection liner made of polyolefin. Traces of silicon can be found on the foil protecting the adhesive coating
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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 +110 °C		EN 14706
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	$\lambda \leq 0,033 \text{ W/m}\cdot\text{K}$	EN 12667
	At a mean temperature of +40 °C	$\lambda \leq 0,037 \text{ W/m}\cdot\text{K}$	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 7000$		EN 12086
<b>WATER ABSORPTION</b>	<0,1 kg/m <sup>2</sup>		EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	B-s3,d0	EN 13501-1
	USA, Canada	UL Approved Flame Class V-0 Flame Class V-0, HF-1 - thk. 3 mm	UL 94 UL 746 A - UL 746 B
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

\*NB: for application at lower temperatures please contact our technical department.  
For self-adhesive sheets, the maximum operating temperatures is +90 °C.  
For outside use Eurobatex Duct should be protected with Union Covering or Vec elastomeric paint.

**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.

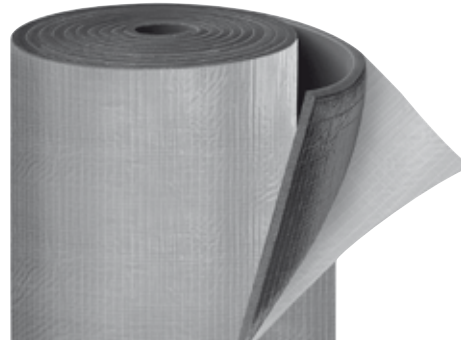
All the normatives quoted in this document are updated to the latest issued version.  
Union Foam S.p.A. reserves the right to modify any information at any time without prior notice.

# EUROBATEX® DUCT

## SELF-ADHESIVE CONTINUOUS ROLLS 1500 mm WIDTH

### DUCT

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR RH1,5 ADR	6	45
08EUR RH1,5 ADR*	8	37,5
10EUR RH1,5 ADR	10	30
12EUR RH1,5 ADR	12	22,5
15EUR RH1,5 ADR*	15	18
20EUR RH1,5 ADR	20	15
25EUR RH1,5 ADR	25	12
30EUR RH1,5 ADR	30	9



\*Based on minimum purchasing quantities

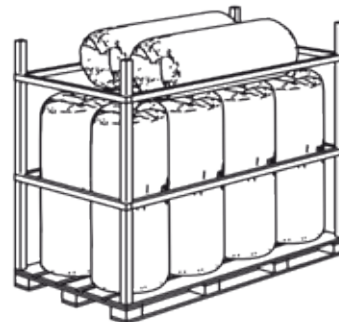
Material not in stock, produced on request and – lead time 15 workdays

Single  
packaging:



Pallet dimensions:

210 x 210 x 100 cm  
Volume = 4,41 m<sup>3</sup>  
Bags/pallet = 10



# 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 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



# EUROBATEX® DUCT ALU NET/DUCT TRIPLEX

CFC and HCFC free, GWP zero **self-adhesive sheets** in roll form made of Flexible Elastomeric Foam complying with European Standard EN 14304. This material has an integral vapour barrier, is suitable for the thermal insulation of hot, cold and dual temperature ductwork and also for large diameter pipes and vessels including those with a complex surface shape.

The range is available in a **width of 1500 mm** to minimise wastage, improve installation times and thereby reduce costs.

Available with TRIPLEX or ALU NET coatings.

## APPLICATIONS FIELDS



Industrial



Air Conditioning



Building



Refrigeration



Heating & Plumbing



Oil & Gas

# EUROBATEX® DUCT ALU NET/DUCT TRIPLEX

<b>TYPE OF MATERIAL:</b>	DUCT ALU NET - Eurobatex Duct coupled with a netted aluminium foil protected by a polyethylene film. DUCT TRIPLEX - Eurobatex Duct coupled with a multi-layered coating of polyester, polyethylene and aluminium film
<b>PRODUCT RANGE:</b>	1500 mm wide self-adhesive sheets in rolls in thicknesses from 6 mm to 30 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation for commercial and industrial applications involving cold and hot ducts, large pipes and vessels
<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)
<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 environments 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. 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 +110 °C		EN 14706
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	$\lambda \leq 0,033 \text{ W/m}\cdot\text{K}$	EN 12667
	At a mean temperature of +40 °C	$\lambda \leq 0,037 \text{ W/m}\cdot\text{K}$	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E	EN 13501-1
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

## CHARACTERISTIC OF THE ALU NET COATING

PHYSICAL PROPERTIES	REFERENCE VALUES
<b>COLOUR</b>	Aluminium
<b>WEIGHT</b>	$\approx 90 \text{ g/m}^2$
<b>THICKNESS</b>	$\approx 18 \mu\text{m}$

## CHARACTERISTIC OF THE TRIPLEX COATING

PHYSICAL PROPERTIES	REFERENCE VALUES
<b>COLOUR</b>	Aluminium
<b>WEIGHT</b>	$\approx 125 \text{ g/m}^2$
<b>THICKNESS</b>	$\approx 100 \mu\text{m}$

\*NB: for application at lower temperatures please contact our technical department.  
For self-adhesive sheets, the maximum operating temperature is +90 °C.

**EUROBATEX DUCT ALU NET- System 3 CE Marking** in accordance with the European Standard EN 14304.

**EUROBATEX DUCT TRIPLEX - 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.



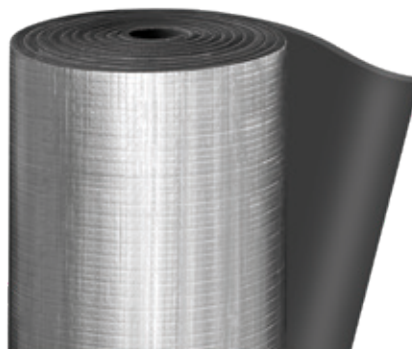
# EUROBATEX® DUCT ALU NET/DUCT TRIPLEX

## SELF-ADHESIVE CONTINUOUS ROLLS 1500 mm WIDTH

### DUCT ALU NET

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR RH1,5ALUNETADR	6	45
08EUR RH1,5ALUNETADR*	8	37,5
10EUR RH1,5ALUNETADR	10	30
12EUR RH1,5ALUNETADR	12	22,5
15EUR RH1,5ALUNETADR*	15	18
20EUR RH1,5ALUNETADR	20	15
25EUR RH1,5ALUNETADR	25	12
30EUR RH1,5ALUNETADR	30	9

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



### DUCT TRIPLEX

Item No.	Thickness mm	m <sup>2</sup> /box
06EUR RH1,5 TRIX ADR	6	45
08EUR RH1,5 TRIX ADR*	8	37,5
10EUR RH1,5 TRIX ADR	10	30
12EUR RH1,5 TRIX ADR	12	22,5
15EUR RH1,5 TRIX ADR*	15	18
20EUR RH1,5 TRIX ADR	20	15
25EUR RH1,5 TRIX ADR	25	12
30EUR RH1,5 TRIX ADR	30	9

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

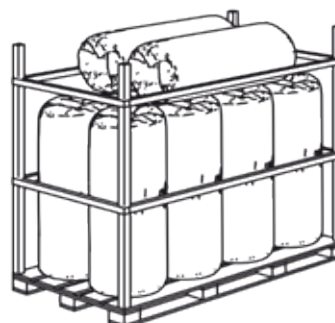


Single  
packaging:



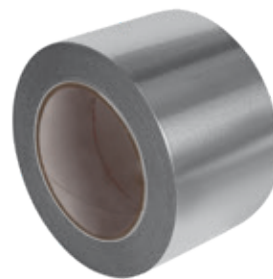
Pallet dimensions:

210 x 210 x 100 cm  
Volume = 4,41 m<sup>3</sup>  
Bags/pallet = 10



## ALUMINIUM SELF-ADHESIVE TAPE

Item No.	Description	pcs/ct
NCA 50x50	Aluminium coloured tape width 50 mm x 50 m	12
NCA 25x50	Aluminium coloured tape width 25 mm x 50 m	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



# POLISOLAN PE 80 R

Polisolan PE 80 R is a CFC and HCFC free closed cell flexible polyethylene foam pipe insulation material. Polisolan PE 80 as additionally a polymeric surface coating factory applied that improves resistance to mechanical abuse and gives a composite product which can be used outdoors without any further weather protection. Both products are suitable for a range of domestic and commercial applications including frost protection, condensation control and energy conservation.

## APPLICATIONS FIELDS



**Building**



**Refrigeration**



**Heating & Plumbing**



**Oil & Gas**



**Air Conditioning**

# POLISOLAN PE 80 R

<b>TYPE OF MATERIAL:</b>	Closed cell polyethylene foam (PEF) with a black polyethylene scratch resistant film
<b>PRODUCT RANGE:</b>	Tubes in pipe sections in thickness from 6mm to 10mm and diameters from 12mm to 60mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation of refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14313
<b>ENVIRONMENTAL INFORMATION:</b>	Expanded CFC and HCFC-free foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero)
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>OPERATING TEMPERATURE RANGE *</b>	-45 °C +110 °C		EN 14706 - UNI ISO 188
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	Thk. 6 mm: $\lambda \leq 0,037 \text{ W/m}\cdot\text{K}$ Thk. $\geq 10 \text{ mm}$ : $\lambda \leq 0,041 \text{ W/m}\cdot\text{K}$	DIN 52613
	At a mean temperature of +40 °C	Thk. 6 mm: $\lambda \leq 0,041 \text{ W/m}\cdot\text{K}$ Thk. $\geq 10 \text{ mm}$ : $\lambda \leq 0,045 \text{ W/m}\cdot\text{K}$	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 15000$		EN 13469 / DIN 52615
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	B <sub>L</sub> -s1,d0	EN 13501-1
<b>RESISTANCE TO DEFORMATION</b>	Excellent		

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

**System 1 CE Marking** in accordance with the European Standard EN 14313.

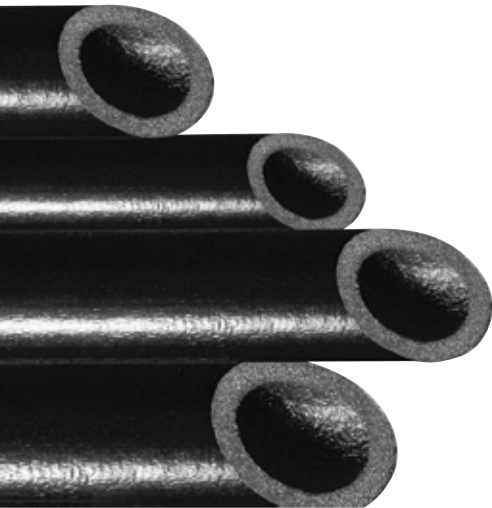
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# POLISOLAN PE 80 R

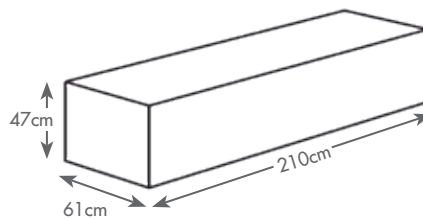
Polyethylene foam with scratch resistant coating

## PIPE SECTION 2 m LENGTH

Copper pipe		Steel pipe			Thickness 6 mm		Thickness 10 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
12	1/2				06 - 12POL R	730	10 - 12POL R	460
14		13,5	8	1/4	06 - 14POL R	660	10 - 14POL R	430
16					06 - 16POL R	570	10 - 16POL R	380
18		17,2	10	3/8	06 - 18POL R	480	10 - 18POL R	340
22	7/8	21,3	15	1/2	06 - 20POL R	450		
28	1 1/8	26,9	20	3/4	06 - 22POL R	390	10 - 22POL R	260
35	1 3/8	33,7	25	1	06 - 25POL R	320		
42	1 5/8	42,4	32	1 1/4	06 - 27POL R	280	10 - 27POL R	220
48		48,3	40	1 1/2	06 - 34POL R	220	10 - 34POL R	170
60		60,3	50	2	06 - 43POL R	180	10 - 43POL R	126
76,1		76,1	65	2 1/2			10 - 49POL R	112
88,9		88,9	80	3			10 - 61POL R	80

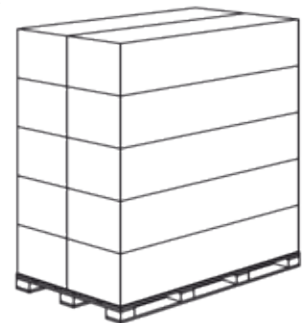


**Packaging dimensions:**  
(volume = 0,6 m<sup>3</sup>)



**Pallet dimensions:**

120 x 210 x 247 cm  
Volume = 6,2 m<sup>3</sup>  
Box/pallet = 10



## POLISONORM P.N. 83 PVC / ALU

These products are a range of rigid Polyurethane Foam pipe sections with either a PVC Jacketing or an embossed Aluminium Foil. The pipe sections are slit and a double sided tape is applied to the cut seam to give a self-adhesive product which can be used for a variety of heating & plumbing applications.

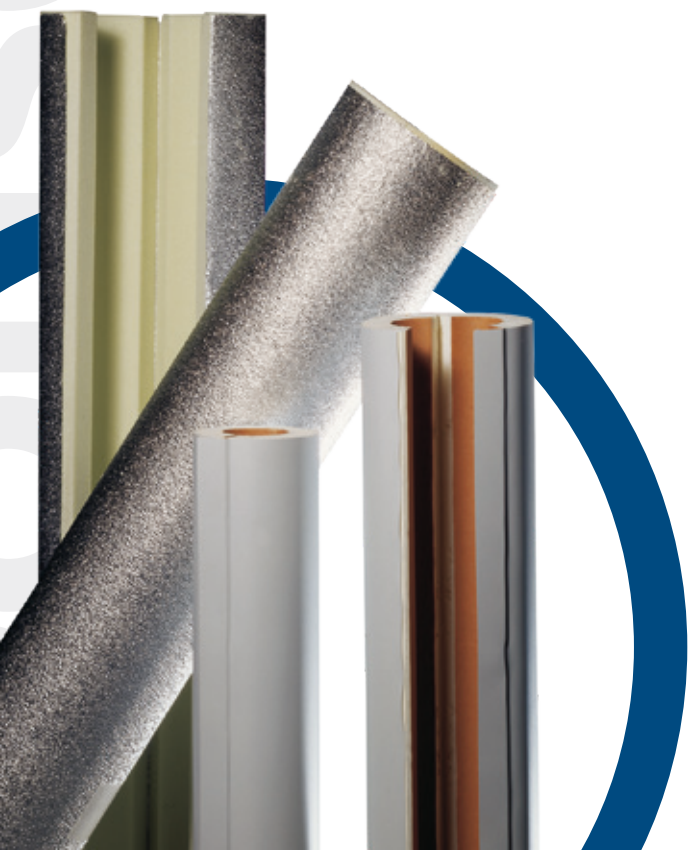
### APPLICATIONS FIELDS



**Building**



**Heating & Plumbing**





## POLISONORM P.N. 83 PVC/ALU

<b>TYPE OF MATERIAL:</b>	Rigid polyurethane foam (PUR) with a protective film in PVC (PVC type) or an embossed aluminium foil (ALU type)
<b>PRODUCT RANGE:</b>	Pre-cut, self-adhesive pipe sections in thicknesses from 20 mm to 40 mm and in diameters from 22 mm to 115 mm. 90° elbows with external covers in thicknesses from 20 mm to 40 mm and in diameters from 22 mm to 115 mm
<b>FIELDS OF APPLICATION:</b>	Thermal insulation for heating & plumbing services in domestic applications.
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14308
<b>ENVIRONMENTAL INFORMATION:</b>	CFC and HCFC-free rigid polyurethane foam; it does not contain asbestos
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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

PHYSICAL PROPERTIES	RESULT OBTAINED			TEST METHOD
<b>OPERATING TEMPERATURE RANGE*</b>	-30 °C +130 °C			EN 14706 - UNI ISO 188
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,029 \text{ W/m}\cdot\text{K}$		DIN 52613
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	ALU type	B <sub>L</sub> -s1,d0	EN 13501-1
		PVC type	E <sub>L</sub>	
<b>EXTERNAL COATING - ALU TYPE</b>	Embossed aluminium foil with a thickness of $\approx 0,3 \text{ mm}$			
<b>EXTERNAL COATING - PVC TYPE</b>	PVC film with a thickness of $\approx 0,25 \text{ mm}$			

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

**ALU Type - System 1 CE Marking** in accordance with the European Standard EN 14308.

**PVC Type - System 3 CE Marking** in accordance with the European Standard EN 14308.

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.

# **POLISONORM P.N. 83 PVC/ALU**

Polyurethane pipe sections and elbows with external cover in PVC or Aluminium

## **PVC TYPE**

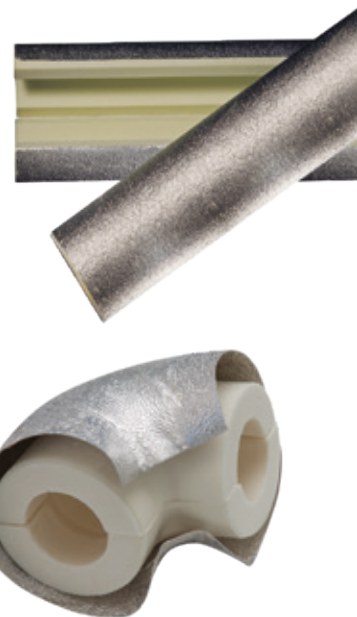
Internal Ø		Insulation thickness	Pipe length 2m		90° elbows with cover	
mm	inches	mm	Item No.	m/ct	Item No.	pcs/ct
22	1/2	20	20 - 22PNS P	144	20 - 22PNSCP	30
27	3/4	20	20 - 27PNS P	112	20 - 27PNSCP	30
34	1	20	20 - 34PNS P	90	20 - 34PNSCP	30
43	1 1/4	22	20 - 43PNS P	70	20 - 43PNSCP	20
49	1 1/2	25	25 - 49PNS P	60	25 - 49PNSCP	20
60	2	25	25 - 61PNS P	40	25 - 61PNSCP	15
77	2 1/2	32	30 - 77PNS P	24	30 - 77PNSCP	15
90	3	33	30 - 90PNS P	22	30 - 90PNSCP	15
102	3 1/2	35	40 - 102PNS P	16	40 - 102PNSCP	10
115	4	40	40 - 115PNS P	12	40 - 115PNSCP	10

Material not in stock, produced on request – lead time 20 workdays

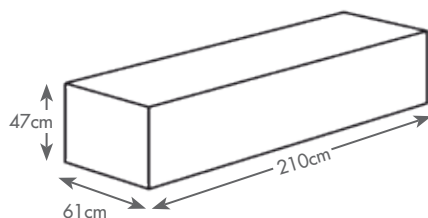
## **ALU TYPE**

Internal Ø		Insulation thickness	Pipe length 2m		90° elbows with cover	
mm	inches	mm	Item No.	m/ct	Item No.	pcs/ct
22	1/2	20	20 - 22PNS A	144	20 - 22PNSCA	30
27	3/4	20	20 - 27PNS A	112	20 - 27PNSCA	30
34	1	20	20 - 34PNS A	90	20 - 34PNSCA	30
43	1 1/4	22	20 - 43PNS A	70	20 - 43PNSCA	20
49	1 1/2	25	25 - 49PNS A	60	25 - 49PNSCA	20
60	2	25	25 - 61PNS A	40	25 - 61PNSCA	15
77	2 1/2	32	30 - 77PNS A	24	30 - 77PNSCA	15
90	3	33	30 - 90PNS A	22	30 - 90PNSCA	15
102	3 1/2	35	40 - 102PNS A	16	40 - 102PNSCA	10
115	4	40	40 - 115PNS A	12	40 - 115PNSCA	10

Material not in stock, produced on request – lead time 20 workdays



**Packaging dimensions:**  
(volume = 0,6 m³)



**Pallet dimensions:**

120 x 210 x 247 cm  
Volume = 6,2 m³  
Box/pallet = 10



## 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	$+ 5\%$ $- 1,5\%$	$\pm 2\%$	$d_o = 3$	$- 0,1$ $+ 1,5$	-	-	-

## THERMAL INSULATION PRODUCTS FOR BUILDING EQUIPMENT AND INDUSTRIAL INSTALLATIONS. FACTORY MADE RIGID POLYURETHANE FOAM (PUR) AND POLYISOCYANURATE FOAM (PIR) PRODUCTS

### Dimensional tolerances specified by the European product Standard EN 14308

Form of delivery	Length	Width	Thickness	Internal diameter
Panels	± 5 mm	± 5 mm	± 1,5 mm	-
l < 1000 mm				
l = from 1000 to 2000 mm				
l = from 2001 to 4000 mm				
l = from 4000 mm	± 15 mm	-	± 2 mm	- 0 mm +2 mm a - 0 mm +3 mm b
Pipe sections	± 3 mm			
Sector	+ 3 mm	± 2%	± 2 mm	- 0 mm +4 mm
Ready-made articles	+ 3 mm	-	± 2 mm	-

**a** - To apply to internal diameters smaller than 170 mm

**b** - To apply to internal diameters of 170 mm and above

## THERMAL INSULATION PRODUCTS FOR BUILDING EQUIPMENT AND INDUSTRIAL INSTALLATIONS. FACTORY MADE POLYETHYLENE (PEF) PRODUCTS

### Dimensional tolerances specified by the European product Standard EN 14313

Form of delivery	Length	Width	Thickness* mm		Squareness
			Declared	Tolerance	
Tubes and profiles	- 1,5% + 2,5%	-	$d_D \leq 6$	$\pm 1,0$	5,0 mm (for $DLD \leq 60$ mm)  10,0 mm (for $60 < DLD \leq 120$ mm)
			$6 < d_D \leq 10$	$\pm 1,5$	
			$10 < d_D \leq 15$	$\pm 2,0$	
			$15 < d_D \leq 31$	$\pm 2,5$	
			$d_D > 30$	$\pm 4,0$	
Sheets and rolls	$\pm 1,5\%$	$\pm 1,0\%$	$d_D \leq 5$	$\pm 1,0$	10,0 mm/m (length + width)  2,0 mm (thickness)
			$5 < d_D \leq 10$	$\pm 1,5$	
			$10 < d_D \leq 15$	$\pm 2,0$	
			$15 < d_D \leq 30$	$\pm 2,5$	
			$d_D > 30$	$\pm 3,5$	
Tapes	$\pm 1,5\%$	$\pm 2$ mm	-	$\pm 1,5$	-

\*The tolerances of profiles are only defined for the sections designed for the reduction of heat flux

Form of delivery	Internal diameters		
	$D_{LD} \leq 35$	$35 < D_{LD} \leq 100$	$D_{LD} > 100$
Tubes	$D_{LD} \text{ da } +1 \text{ a } +4$	$D_{LD} \text{ da } +2 \text{ a } +6$	$D_{LD} \text{ da } +3 \text{ a } +8$
Profiles	$D_{LD} \text{ da } +1 \text{ a } +4$	$D_{LD} \text{ da } +2 \text{ a } +6$	$D_{LD} \text{ da } +3 \text{ a } +8$

## SPECIAL APPLICATIONS

These products are a new generation of high density closed cell foams which have been formulated to provide better mechanical resistance properties for applications where thermal conductivity is of secondary importance. Our Special Application foams have potential uses in a variety of industrial applications and build upon our previous experience of making products for the automotive industry.

### EG 100

#### APPLICATIONS FIELDS

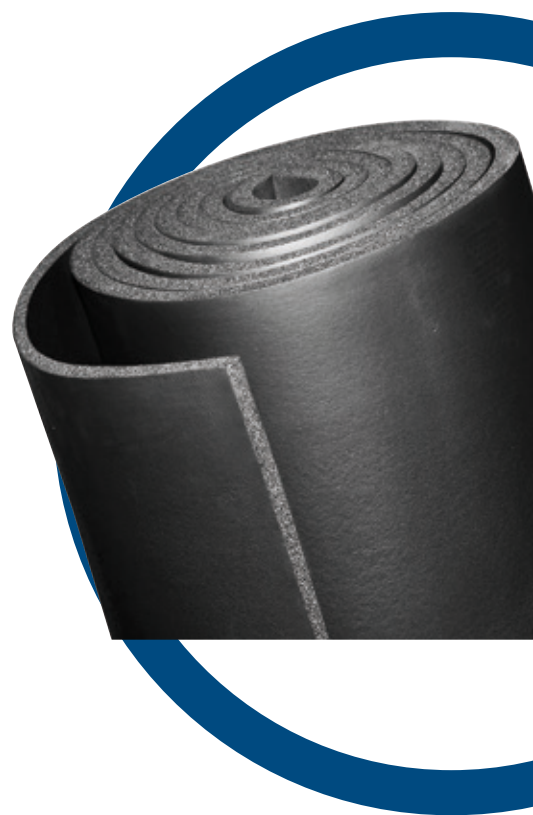
Industrial



Solar / High temperature



Outdoor applications

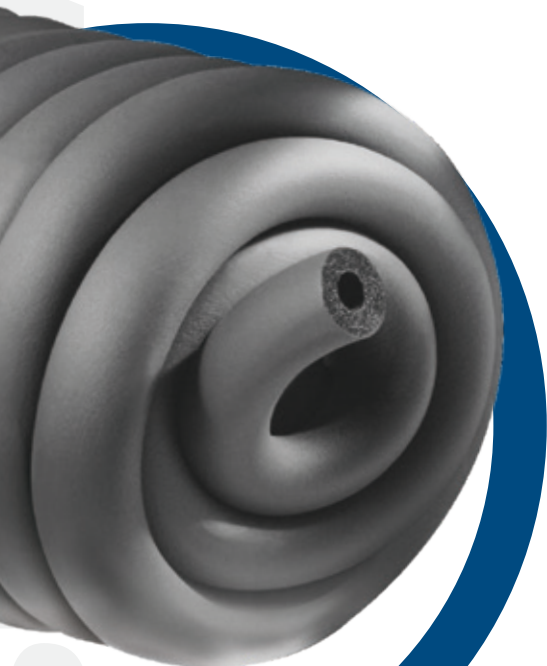


### K 80

#### APPLICATIONS FIELDS



Industrial





## EG 100

<b>TYPE OF MATERIAL:</b>	CFC, HCFC and PVC-free closed cell EPDM based Flexible Elastomeric Foam (FEF). Suitable for applications where better mechanical performance characteristics and higher operating temperature are required. Also suitable for outdoor applications
<b>PRODUCT RANGE:</b>	Supplied as a product with nominal density of 100 kg/m <sup>3</sup> (±15 kg/m <sup>3</sup> ) in rolled sheets with standard thicknesses of 19 mm and 25 mm. Different thicknesses and self-adhesive version are available on request

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>OPERATING TEMPERATURE RANGE</b>	-45 °C +150 °C	
<b>TENSILE STRENGTH</b>	≥ 100 kPa	ISO 1798
<b>ELONGATION AT BREAK</b>	≥ 100%	ISO 1798
<b>TEAR RESISTANCE</b>	≥ 100 kN/m	ISO 34-1
<b>SHORE 00</b>	30-45	ASTMD 2240
<b>COMPRESSION SET 50% (23 °C, 22h)</b>	≤ 15%	ISO 1856
<b>COMPRESSION DEFLECTION 25%</b>	20-40 kPa	ASTMD 1056
<b>COMPRESSION DEFLECTION 50%</b>	70-110 kPa	ASTMD 1056

Product not in stock, available on request.

## K 80

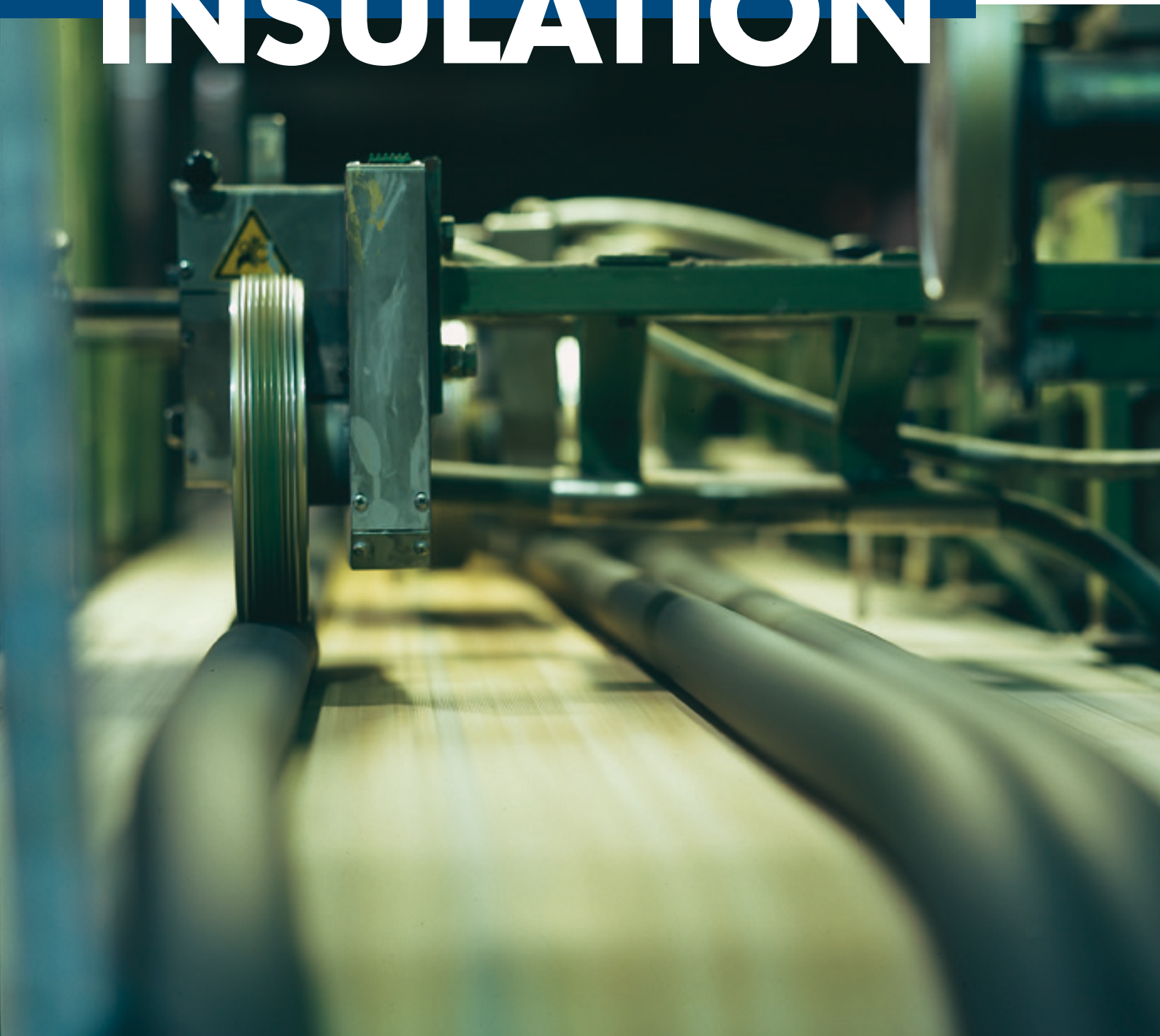
<b>TYPE OF MATERIAL:</b>	CFC and HCFC, GWP zero closed cell NBR+PVC based Flexible Elastomeric Foam (FEF). Suitable for applications in various industrial sectors including automotive applications
<b>PRODUCT RANGE:</b>	Thin wall tubes supplied in coiled form with nominal density of 80 kg/m <sup>3</sup> , 6 mm insulation thickness with diameters from 6 mm to 35 mm

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>OPERATING TEMPERATURE RANGE</b>	-45 °C +110 °C	EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C      λ ≤ 0,048 W/m·K	EN ISO 8497
<b>TENSILE STRENGTH</b>	≥ 250 kPa	ISO 1798
<b>ELONGATION AT BREAK</b>	100% ± 20%	ISO 1798

Product not in stock, available on request.

For information regarding the chemical resistance of the products please consult the specific technical documentation.  
 For outside uses K80 should be protected with Union Covering or Vec elastomeric paint.  
 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.

# ACOUSTIC INSULATION



# SILENTPLUS RUBBER

Double-layered acoustic insulation sheet, composed of an high density elastomeric material coupled with expanded foam material (FEF). Suitable to solve problems of acoustic insulation in building and industrial applications.

## APPLICATIONS FIELDS



**Industrial**



**Air Conditioning**



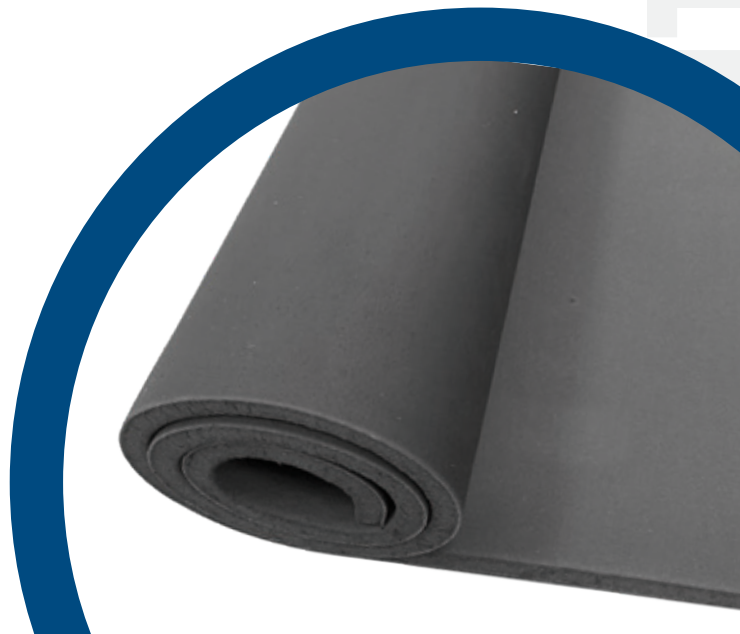
**Building**



**Refrigeration**



**Heating & Plumbing**



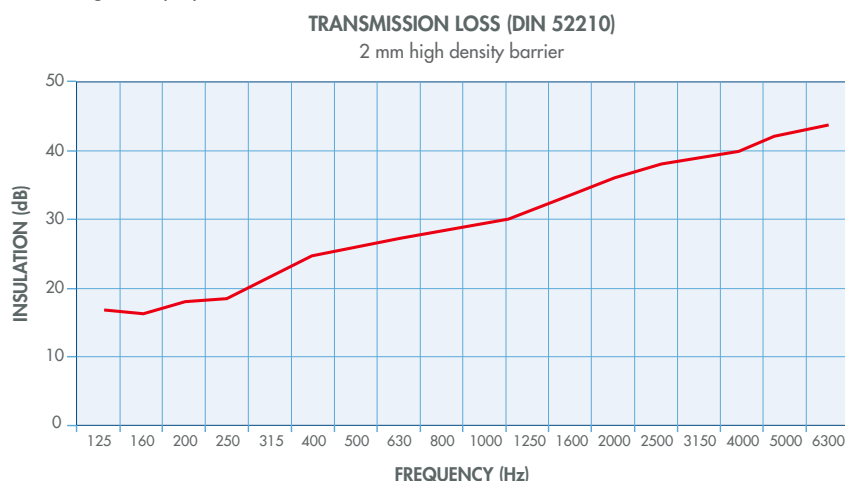
## SILENTPLUS RUBBER



<b>TYPE OF MATERIAL:</b>	Soundproofing barrier layer coupled with a flexible elastomeric foam (FEF) sheet
<b>PRODUCT RANGE:</b>	Sheets in roll with dimension of 1 x 2 m and thickness of 12 mm (2 mm of high-density elastomeric barrier + 10 mm of flexible elastomeric foam sheet). Available also in self-adhesive version
<b>FIELDS OF APPLICATION:</b>	Acoustic insulation of walls, floors and ceilings, water pipes, drains, air conditioning equipment and heating & plumbing services in commercial, industrial and domestic application
<b>DIMENSIONAL TOLERANCES:</b>	In accordance with the European Standard EN 14304
<b>ENVIRONMENTAL INFORMATION:</b>	CFC and HCFC-free insulation compound. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero). Free from lead, bitumen and fibres
<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
OPERATING TEMPERATURE RANGE	-45 °C +110 °C						EN 14706
THERMAL CONDUCTIVITY	At a mean temperature of 0 °C	$\lambda \leq 0,034 \text{ W/m}\cdot\text{K}$					EN 12667
	At a mean temperature of +40 °C	$\lambda \leq 0,038 \text{ W/m}\cdot\text{K}$					
MEASUREMENT OF NOISE FROM WASTE WATER INSTALLATIONS	Reduction of air-borne sound transmission	Flow rate (L/s)	0,5	1	2	4	UNI EN 14366
		dB(A)	12	12	10,5	10,5	
	Structure-borne sound level	Flow rate (L/s)	0,5	1	2	4	
		dB(A)	15,5	16,6	18,4	19,6	
HARDNESS*	80 ± 10 Shore A						UNI EN ISO 868
TENSILE STRENGTH*	> 1N/mm²						DIN 53504 / UNI 6065
ELONGATION AT BREAK*	> 20%						DIN 53504 / UNI 6065
FIRE PERFORMANCE	European Standard Euroclass	D-s2,d0					EN 13501-1
	Swiss Reaction to Fire group	RF3					VKF Directive 13-15

\*Data refer exclusively to the 2 mm high density layer.



For information regarding the chemical resistance of the product please consult the specific technical documentation.  
The self-adhesive version has been designed with the aim to make installation easier. Given the high specific weight of the material, a mechanical fastening is recommended.

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

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

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.

# SILENTPLUS RUBBER

## 2 m LENGTH ROLLS, 1 m WIDTH

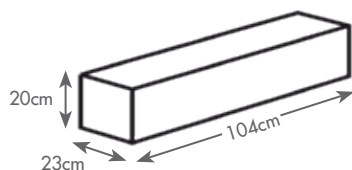
Item No.	Sheet dimension (m)	m <sup>2</sup> /box
02 + 10SIL RUB GT	1 x 2	2

### SELF-ADHESIVE

Item No.	Sheet dimension (m)	m <sup>2</sup> /box
02 + 10SIL RUB GT ADR	1 x 2	2



**Packaging dimensions:**  
(volume = 0,05 m<sup>3</sup>)



**Pallet dimensions:**

105 x 105 x 196 cm  
Volume = 2,16 m<sup>3</sup>  
Box/pallet = 40



# SILENTPLUS RUBBER HF

Halogen-free acoustic insulation sheet. A multilayer composed of expanded foam material (FEF), high density elastomeric barrier and external protective glossy black aluminium foil. Suitable to solve problems of acoustic insulation in building and industrial applications.

## APPLICATIONS FIELDS



Industrial



Air Conditioning



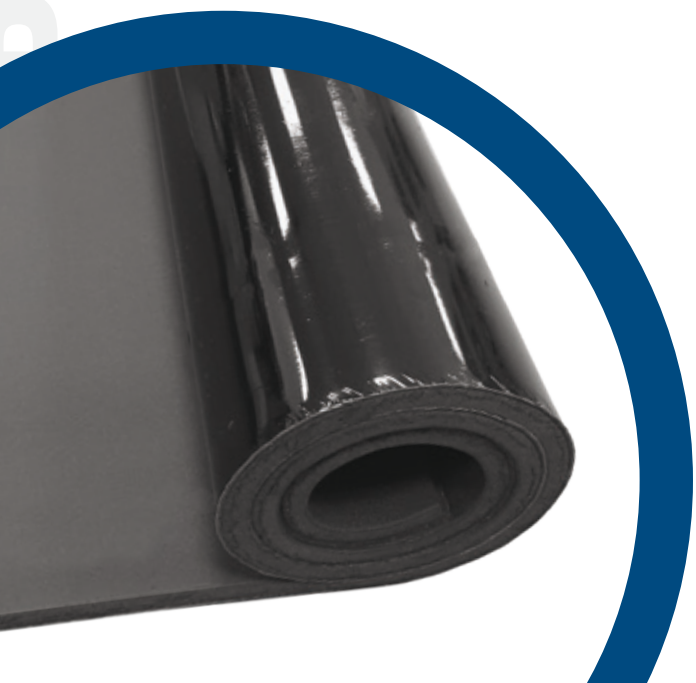
Building



Refrigeration



Heating & Plumbing





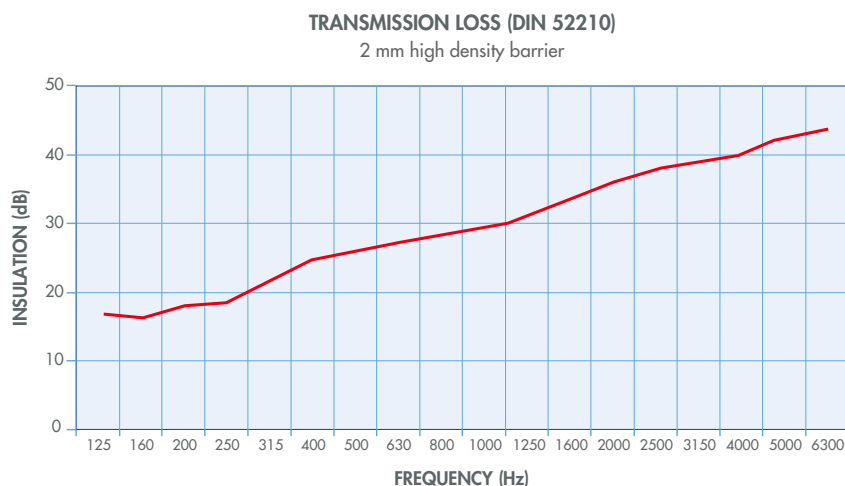
# SILENTPLUS RUBBER HF



<b>TYPE OF MATERIAL:</b>	Halogen-free soundproofing barrier layer coupled with a flexible elastomeric foam (FEF) sheet and protected with aluminium foil
<b>PRODUCT RANGE:</b>	Sheets in roll with dimension of 1 x 2 m with thickness of 12 mm (2 mm of high-density elastomeric barrier + 10 mm of flexible elastomeric foam sheet). Available also in self-adhesive version
<b>FIELDS OF APPLICATION:</b>	Acoustic insulation of walls, floors and ceilings; enclosures for motors and air-conditioning equipment; acoustic insulation of water pipes, drains and heating & plumbing services in commercial, industrial and domestic applications
<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). Free from lead, bitumen and fibres
<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
OPERATING TEMPERATURE RANGE	-45 °C +130 °C						EN 14706
THERMAL CONDUCTIVITY	At a mean temperature of 0 °C	$\lambda \leq 0,038 \text{ W/m-K}$					EN 12667
	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/m-K}$					
MEASUREMENT OF NOISE FROM WASTE WATER INSTALLATIONS	Reduction of air-borne sound transmission	Flow rate (L/s)	0,5	1	2	4	UNI EN 14366
		dB(A)	12	12	10,5	10,5	
	Structure-borne sound level	Flow rate (L/s)	0,5	1	2	4	
		dB(A)	15,5	16,6	18,4	19,6	
HARDNESS*	80 ± 10 Shore A						UNI EN ISO 868
TENSILE STRENGTH*	> 1N/mm²						DIN 53504 / UNI 6065
ELONGATION AT BREAK*	> 20%						DIN 53504 / UNI 6065
FIRE PERFORMANCE	European Standard Euroclass	C-s2,d0					EN 13501-1

\*Data refer exclusively to the 2 mm high density layer.



For information regarding the chemical resistance of the product please consult the specific technical documentation.  
The self-adhesive version has been designed with the aim to make installation easier. Given the high specific weight of the material, a mechanical fastening is recommended.

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

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

# SILENTPLUS RUBBER HF

## 2 m LENGTH ROLLS, 1 m WIDTH

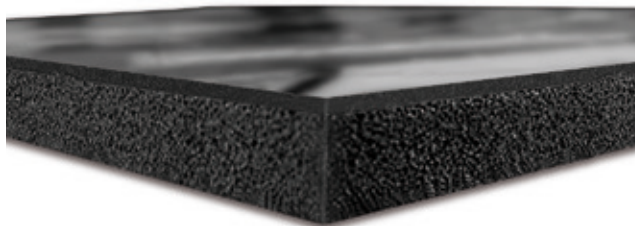
Item No.	Sheet dimension (m)	m <sup>2</sup> /box
02 + 10SIL RUB GT HFN	1 x 2	2

Product not in stock, available on request and based on minimum purchasing quantities.

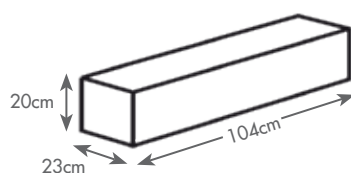
### SELF-ADHESIVE

Item No.	Sheet dimension (m)	m <sup>2</sup> /box
02 + 10SIL RUB GT HFN ADR	1 x 2	2

Product not in stock, available on request and based on minimum purchasing quantities.



**Packaging dimensions:**  
(volume = 0,05 m<sup>3</sup>)



**Pallet dimensions:**

105 x 105 x 196 cm  
Volume = 2,16 m<sup>3</sup>  
Box/pallet = 40



# EUROSOUND

A range of sound-proofing high density sheets with high performance in noise reduction, especially at low frequencies. An ideal solutions in industrial and domestic applications. Suitable for marine applications.

## APPLICATIONS FIELDS



**Industrial**



**Air Conditioning**



**Building**



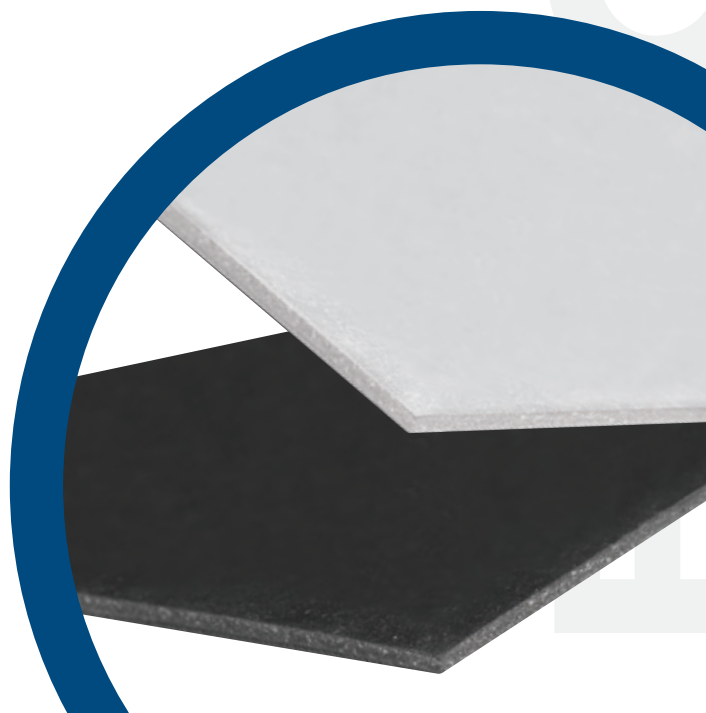
**Refrigeration**



**Heating & Plumbing**



**Marine**



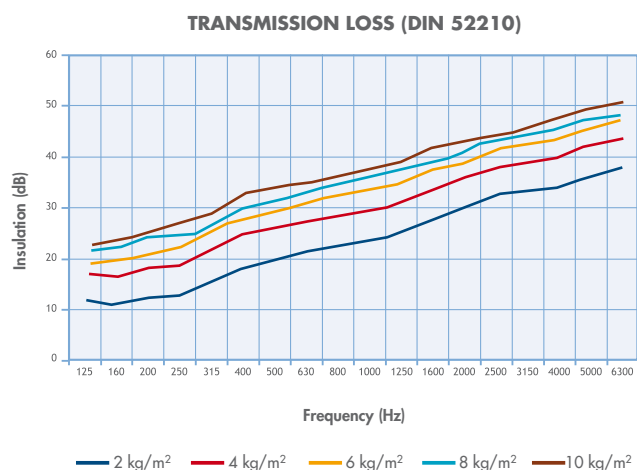
## EUROSOUND

<b>TYPE OF MATERIAL:</b>	A soundproofing material made of a polymeric compound and high density mineral fillers. The product is free from lead, unrefined aromatic oils and bitumen, it is halogen free and does not contain substances which are hazardous to human health
<b>PRODUCT RANGE:</b>	Eurosound products are available in rolls in a range of thicknesses from 1 to 5 mm (2 - 10 kg/m <sup>2</sup> ) for civil and industrial applications (EUROSOUND), with improved fire performance (EUROSOUND FR) and for marine applications (EUROSOUND NAV)
<b>FIELDS OF APPLICATION:</b>	A flexible high performance noise barrier useful to reduce airborne sound transmission and as a component of an acoustic system with good low frequency sound insulation characteristics
<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

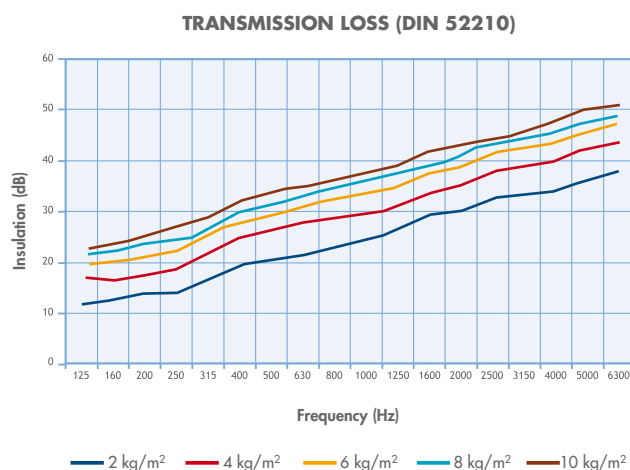
PHYSICAL PROPERTIES	RESULT OBTAINED			TEST METHOD
	EUROSOUND	EUROSOUND FR	EUROSOUND NAV	
<b>SERVICE TEMPERATURE (°C)</b>	-20 / +110	-20 / +110	-30 / +90	-
<b>DENSITY* (g/cm<sup>3</sup>)</b>	1,9 ± 0,1	1,9 ± 0,1	2,1 ± 0,1	EN ISO 1183-1 and 2
<b>HARDNESS* (SHORE A)</b>	80 ± 10	80 ± 10	85 ± 10	UNI EN ISO 868
<b>TENSILE STRENGTH* (N/mm<sup>2</sup>)</b>	> 1	> 1	> 1	DIN 53504 / UNI 6065
<b>ELONGATION AT BREAK* (%)</b>	> 20	> 20	> 20	DIN 53504 / UNI 6065
<b>FIRE PERFORMANCE - EUROCLASS</b>	-	B-s2,d0	-	EN 13501-1
<b>SHIPYARDS (MED)</b>	-	-	Meets test requirements	IMO Res. MSC307(88); IMO MSC/Circ. 1004 (MED 2014/90/EU Modules B, D)
<b>COLOUR</b>	Dark grey	Dark grey	White	-

\*Data refers exclusively to the 2 mm high density layer.

### EUROSOUND / EUROSOUND FR



### EUROSOUND NAV



## CONTINUOUS ROLLS 1000 mm WIDTH

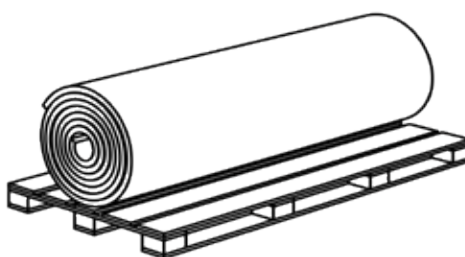
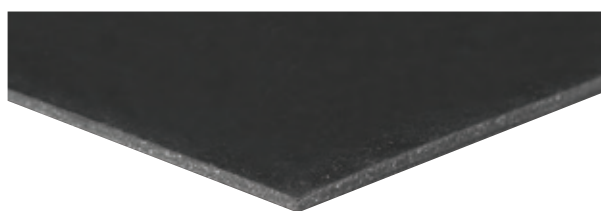
### EUROSOUND - EUROSOUND FR

Item No.		Thickness mm	m <sup>2</sup> /box
EUROSOUND	EUROSOUND FR		
01ES - 02	01ES - 02 FR	1	75
02ES - 04	02ES - 02 FR	2	50
03ES - 06	03ES - 02 FR	3	50
04ES - 08	04ES - 02 FR	4	25
05ES - 10	05ES - 02 FR	5	25

### EUROSOUND NAV

Item No.	Thickness mm	m <sup>2</sup> /box
01ES - 02 NAV	1	60
1,5ES - 03 NAV	1,5	50
02ES - 04 NAV	2	50
03ES - 06 NAV	3	50
04ES - 08 NAV	4	25
05ES - 10 NAV	5	25

Product not in stock, available on request and based on minimum purchasing quantities. Product also available in rolls of different lengths.

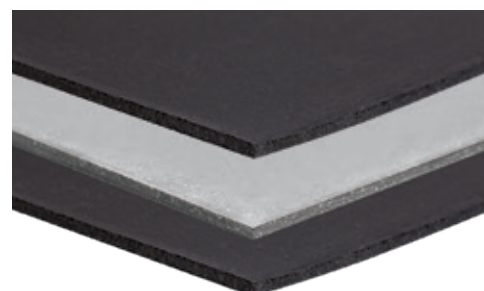


## SPECIAL COMPOUND

The EUROSOUND range is also available coupled with elastomeric rubber foam on one or both sides of the product.

For the coupling process Eurobatex and Eurobatex HF elastomeric foam are available in various thicknesses.

Material not in stock, produced on request and based on minimum purchasing quantities. Please contact our customer service for more details.



# EUROBATEX® OC

A range of granulated FEF material in a resin binder supplied in sheet form, for use as a soundproofing and impact sound insulation in sub-floor applications. Also used as a system component for thermal and acoustic insulation in industrial applications.

## APPLICATIONS FIELDS



**Industrial**



**Air Conditioning**



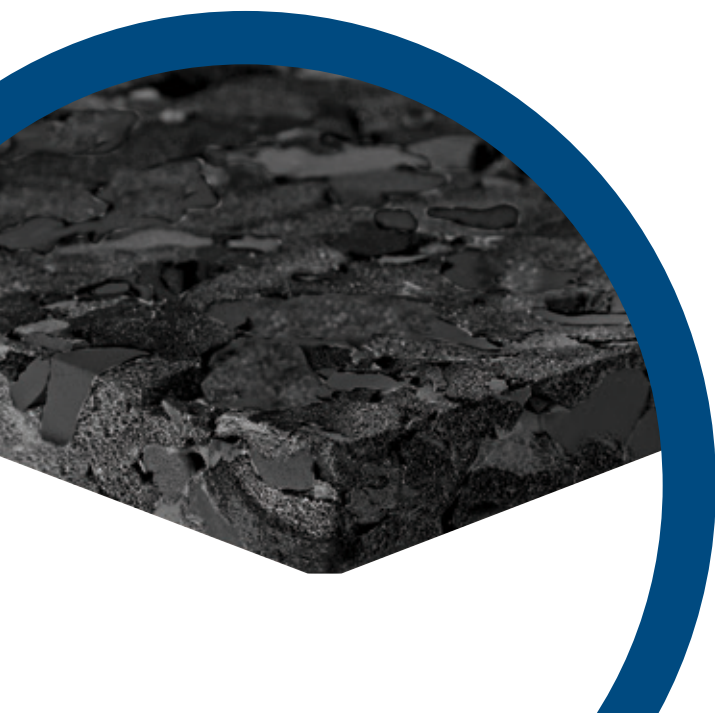
**Building**



**Refrigeration**



**Heating & Plumbing**





# EUROBATEX® OC

<b>TYPE OF MATERIAL:</b>	Granulated Flexible Elastomeric Foam (FEF) held together by a polyurethane resin binder
<b>PRODUCT RANGE:</b>	Sheets available in a range of thicknesses from 10 mm to 40 mm. Available at density of 160 kg/m³ or 240 kg/m³ (tolerance -20 +120 kg/m³). Different thicknesses are available upon request
<b>FIELDS OF APPLICATION:</b>	Acoustic absorption
<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

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>OPERATING TEMPERATURE RANGE</b>	-45 °C +110 °C		-
<b>ACOUSTIC ABSORPTION (α)</b> Thk. 25 mm, Δ 240 Kg/m³	250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz 5000 Hz	0,26 0,7 0,9 0,85 0,85 0,85	UNI EN ISO 354
<b>FIRE PERFORMANCE</b>	Self-extinguishing, does not spread flame		

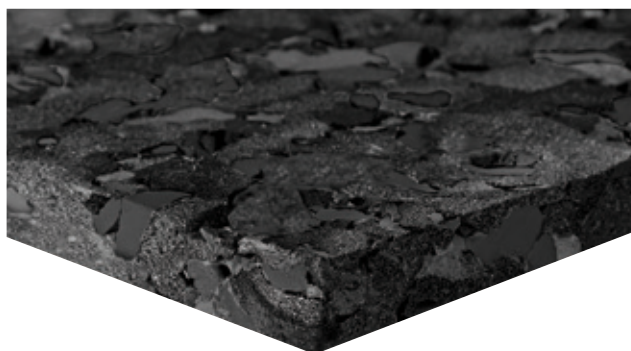
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# EUROBATEX® OC

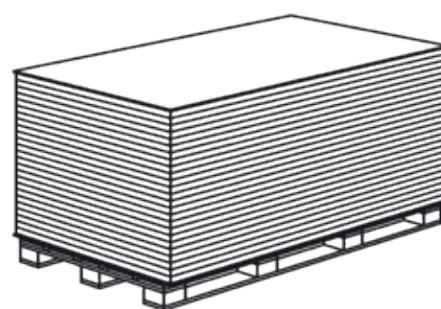
## 1 x 2 m FLAT SHEETS

Item No.		Thickness mm	Flat sheets dimension m	sheets/pallet
Δ 160	Δ 240			
10EUR OC 160	10EUR OC 240	10	1 x 2	100
20EUR OC 160	20EUR OC 240	20	1 x 2	50
25EUR OC 160	25EUR OC 240	25	1 x 2	40
30EUR OC 160	30EUR OC 240	30	1 x 2	33
40EUR OC 160	40EUR OC 240	40	1 x 2	25

Material not in stock, produced on request – lead time 15 workdays


**Pallet dimensions:**

210 x 120 x 115 cm  
Volume = 2,9 m<sup>3</sup>



# NORUMOR

This is a flexible polyethylene insulating sheath with a scratch resistant protective covering. It is the most economical and practical solution to reduce audible noise from water pipes and drains.

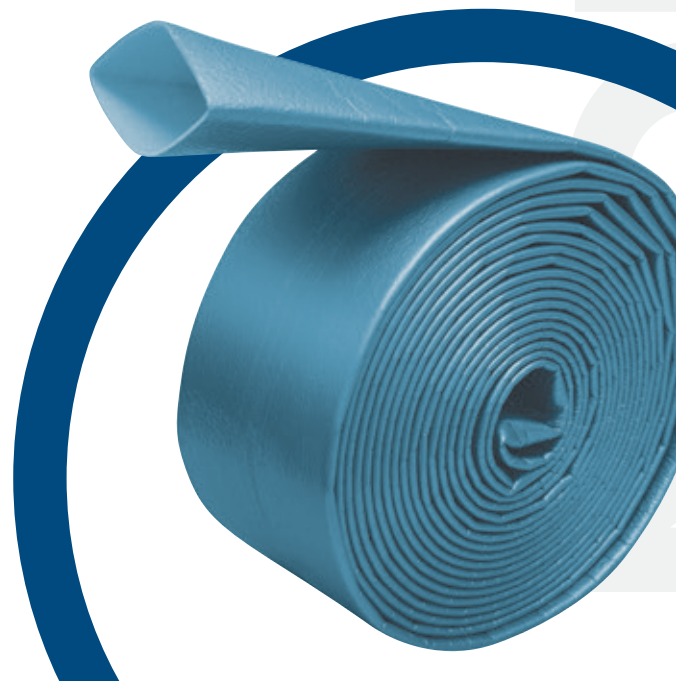
## APPLICATIONS FIELDS



**Building**



**Heating & Plumbing**



## NORUMOR

<b>TYPE OF MATERIAL:</b>	Flexible polyethylene foam (PEF) with scratch resistant protective coating
<b>PRODUCT RANGE:</b>	Tubes in rolls with diameters from 40 mm to 140 mm and a thickness of 5 mm
<b>FIELDS OF APPLICATION:</b>	Acoustic insulation of drainage systems
<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

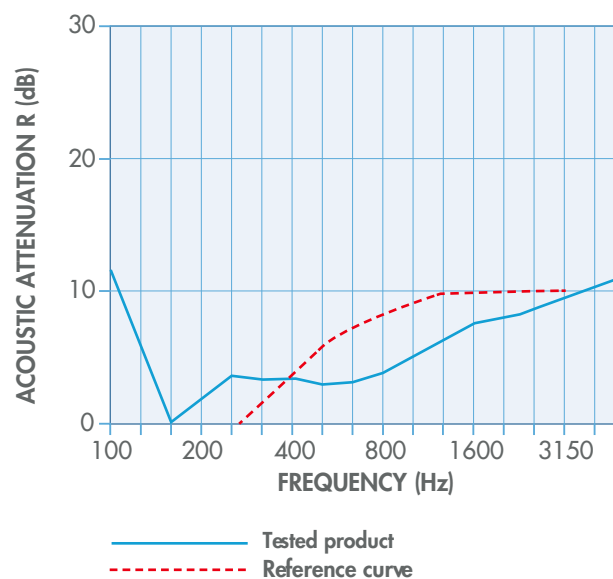
### ACOUSTIC INSULATION TEST

(Ref. EN ISO 10140-1/2 – EN ISO 717-1)

Freq. Hz	R dB	U dB
100	12,1	1,6
125	3,9	1,4
160	0,4	1,5
200	2,5	1,4
250	4,0	1,0
315	2,9	1,0
400	3,2	0,8
500	2,6	0,7
630	2,8	0,7
800	3,7	0,7
1000	4,5	0,6
1250	5,4	0,6
1600	6,4	0,6
2000	7,2	0,6
2500	8,0	0,6
3150	9,4	0,6
4000	10,5	0,6
5000	11,7	0,6

Sample area S = 1,50 m<sup>2</sup>  
 Volume of the receiving room V = 69,6 m<sup>3</sup>  
 Volume of the transmitting room V = 86 m<sup>3</sup>

RW (C;Ctr) = 6 (-1;-3) dB  
 K=2.00 - 95%



### TEST RESULTS WITH NORUMOR THICKNESS 5 mm

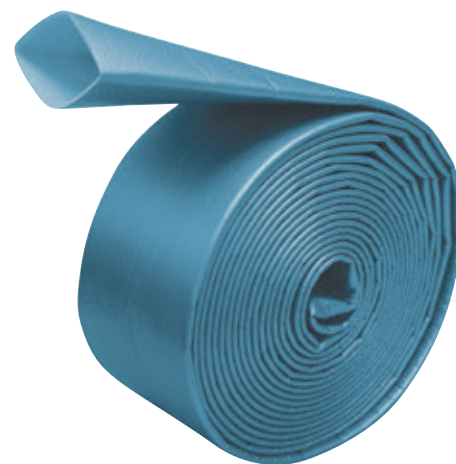
Sound level of drainage pipe	70 dB (A) -
Noise reduction with NORUMOR	6 dB (A) -
Noise reduction of the walling	32 dB (A) =
Measured ambient noise level	32 dB (A)

# NORUMOR

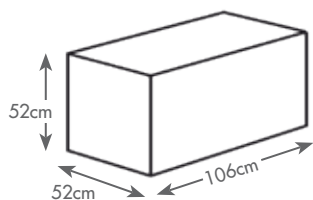
## 15 m LENGTH ROLLS

**THICKNESS 5 mm**

Pipe Ø mm	Item No.	Rolls/ct	m/ct
40	NR 00405	10	150
50	NR 00505	9	135
63	NR 00635	8	120
75	NR 00755	6	90
80	NR 00805	6	90
90	NR 00905	6	90
100	NR 01005	5	75
110	NR 01105	5	75
125	NR 01255	4	60
140	NR 01405	4	60

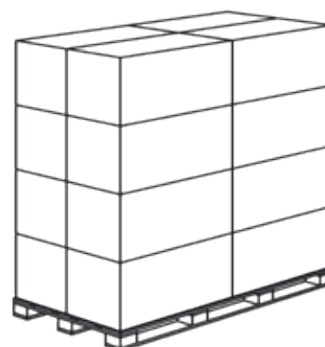


**Packaging dimensions:**  
(volume = 0,29 m<sup>3</sup>)



**Pallet dimensions:**

210 x 120 x 220 cm  
Volume = 5,6 m<sup>3</sup>  
Box/pallet = 16





# ACCESSORIES



## COMPOMIX

Union Foam provides a comprehensive range of accessories for use with its various thermal and acoustic insulation products. The range includes CNX Adhesive and Cleaner for use with Eurobatex, Union Colour Paint to provide weather protection for external services and a flexible coating over Eurobatex on internal services; Eurobatex Pipe Supports to meet load-bearing requirements for insulated pipework. There are also mastics, colour matching tapes, rivets, punches and other components to facilitate the installation of specific products.





## ELASTOMERIC SELF-ADHESIVE TAPE

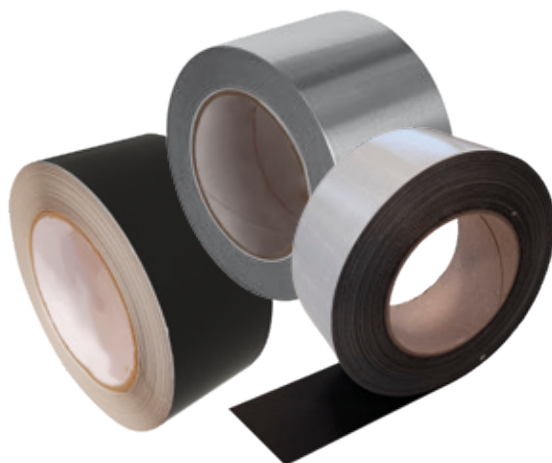
Item No.	Description	pcs/ct
FPX 10 TR	thickness 3 mm x 50 mm width - 10 m length	24
FPX 15 TR	thickness 3 mm x 50 mm width - 15 m length	12
FPX 15 R AT ITG	thickness 3 mm x 50 mm width - 15 m length	12
FPX 15 R HF	thickness 3 mm x 50 mm width - 15 m length	12



## SELF-ADHESIVE ALUMINIUM TAPE

Item No.	Description	pcs/ct
NCA 25x50	Aluminium adhesive tape width 25 mm x 50 m length	12
NCA 50x50	Aluminium adhesive tape width 50 mm x 50 m length	12
NCA 38x50 NERO	Black aluminium adhesive tape width 38 mm x 50 m length	12
NCA 50x50 NERO	Black aluminium adhesive tape width 50 mm x 50 m length	12
NCA 25x50 TEC	Aluminium tape width 25 mm x 50 m length	12
NCA 50x50 TEC	Aluminium tape width 50 mm x 50 m length	12
NC GLAS N 50x25 M	Black adhesive tape, width 50 mm x 25 m length	20
NC GLAS N 75x25 M	Black adhesive tape, width 75 mm x 25 m length	13
NC GLAS N 100x25 M	Black adhesive tape, width 100 mm x 25 m length	10

Tapes with different dimensions are available upon request



## SELF-ADHESIVE PVC TAPE

Item No.	Description	pcs/ct
NCN 25x25	BLACK adhesive tape 25 mm x 25 m	12
NCN 38x25	BLACK adhesive tape 38 mm x 25 m	12
NCN 50x25	BLACK adhesive tape 50 mm x 25 m	12
NCB 38x25	WHITE adhesive tape 38 mm x 25 m	12
NCB 50x25	WHITE adhesive tape 50 mm x 25 m	12
NCG 25x33	GREY adhesive tape 25 mm x 33 m	12
NCG 50x33	GREY adhesive tape 50 mm x 33 m	18



## CNX ADHESIVES

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
CNX 425 AT1	425 g - 500 ml tin	24



## CLEANER FOR CNX ADHESIVES

Item No.	Description	pcs/ct
DETERGENTE	850 g - 1000 ml tin	12



## VEC PAINT

Item No.	Description	pcs/ct
VEC G 0,75	GREY paint - 0,75 litre can	loose
VEC G 2,5	GREY paint - 2,5 litres can	loose

Black and white colour available on request



## SEALANT

Item No.		Description	pcs/ct
Black	Grey		
Sil-Ma	Sil-Ma G	290 ml cartridges	12

## FPX TR



<b>TYPE OF MATERIAL:</b>	Pressure sensitive elastomeric tape
<b>PRODUCT RANGE:</b>	Tape in rolls of 10 m or 15 m length, 50 mm width and 3 mm thickness
<b>FIELDS OF APPLICATION:</b>	Sealing and finishing tape for EUROBATEX insulated systems
<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)
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive material: acrylate based adhesive coating reinforced with mesh structure. Protection liner made of paper foil. Traces of silicon can be found on the foil protecting the adhesive coating
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. The product should not be kept in storage for more than one year

### CHARACTERISTICS OF THE EUROBATEX ELASTOMERIC FOAM

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of 0 °C	$\lambda \leq 0,033 \text{ W/m}\cdot\text{K}$	EN 12667
	At a mean temperature of +40 °C	$\lambda \leq 0,037 \text{ W/m}\cdot\text{K}$	
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 10000$		EN 12086
<b>WATER ABSORPTION</b>	<0,1 kg/m <sup>2</sup>		EN 1609
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	B-s2,d0	EN 13501-1
	FM Approval	FM Approved Class 4924 Product Type: Pipe and Duct insulation	Test Procedure Class Number 4924 UCB Standard No. 26-3
	USA, Canada	UL Approved Flame Class V-0, HF-1	UL 94 UL 746 A - UL 746 B
	Swiss Reaction to Fire group	RF2 (cr)	VKF Directive 13-15
<b>ANTIMICROBIAL BEHAVIOUR</b>	No fungal and bacterial growth detected		A.A.T.C.C. Test Method 30 ISO 22196
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

### CHARACTERISTICS OF THE ADHESIVE

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>LINER</b>	Glassine avana	-
<b>ADHESIVE</b>	Acrylic emulsion	-
<b>ADHESIVE WEIGHT</b>	65 ± 2 gr/m <sup>2</sup>	-
<b>SCRIM</b>	Polyester	-
<b>PEEL ADHESION ON STEEL</b>	14 N/in	FMT 1
<b>SHEAR</b>	>24 h	FMT 8
<b>LOOP TACK ON STEEL</b>	12 N/in	FMT 9
<b>RECOMMENDED APPLICATION TEMPERATURE</b>	from +10 °C to +40 °C	-
<b>TEMPERATURE RESISTANCE AFTER APPLICATION</b>	from -10 °C to +90 °C	-

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.

The product meets the requirements for the achievement of the Eco-Bau classification.  
For outside uses FPX TR should be protected with Union Covering or Vec elastomeric paint.  
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## FPX AT1

<b>TYPE OF MATERIAL:</b>	Pressure sensitive elastomeric tape
<b>PRODUCT RANGE:</b>	Tape in rolls of 15 m length, 50 mm width and 3 mm thickness
<b>FIELDS OF APPLICATION:</b>	Sealing and finishing tape for EUROBATEX AT insulated systems
<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)
<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 adhesive coating
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. The product should not be kept in storage for more than one year

### CHARACTERISTICS OF THE EUROBATEX AT ELASTOMERIC FOAM

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/m}\cdot\text{K}$	EN 12667
<b>WATER ABSORPTION</b>	<0,1 kg/m <sup>2</sup>		EN 1609
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E	EN 13501-1
<b>OZONE RESISTANCE</b>	Excellent		ISO 7326
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

### CHARACTERISTICS OF THE ADHESIVE

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>LINER</b>	White HDPE	-
<b>ADHESIVE</b>	Acrylic	-
<b>ADHESIVE WEIGHT</b>	90 ± 2 g/m <sup>2</sup>	-
<b>SCRIM</b>	Polyester	-
<b>PEEL ADHESION ON STEEL</b>	17,5 N/in	FMT 1
<b>SHEAR</b>	>25 h	FMT 8
<b>LOOP TACK ON STEEL</b>	13 N/in	FMT 9
<b>RECOMMENDED APPLICATION TEMPERATURE</b>	from +10 °C to +40 °C	-
<b>TEMPERATURE RESISTANCE AFTER APPLICATION</b>	from -10 °C to +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.

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## FPX HF



<b>TYPE OF MATERIAL:</b>	Pressure sensitive elastomeric tape without halogens
<b>PRODUCT RANGE:</b>	Tape in rolls of 15 m length, 50 mm width and 3 mm thickness
<b>FIELDS OF APPLICATION:</b>	Sealing and finishing tape for EUROBATEX HF insulated systems
<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)
<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 adhesive coating
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. The product should not be kept in storage for more than one year

### CHARACTERISTICS OF THE EUROBATEX HF ELASTOMERIC FOAM

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,040 \text{ W/m}\cdot\text{K}$	EN 12667
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 2000$		EN 12086
<b>WATER ABSORPTION</b>	$<0,1 \text{ kg/m}^2$		EN 1609
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	D-s3,d0	EN 13501-1
	USA, Canada	UL Approved Flame Class: HF-1	UL 94 UL 746 A - UL 746 B
	Shipyards (MED)	Meets test requirements	IMO Res. MSC.307(88); IMO MSC/Circ.1004 (Directive MED 2014/90/UE Modules B and D)
	Swiss Reaction to Fire group	RF3 (cr)	VKF Directive 13-15
<b>RAILWAYS</b>	HL-1/R1 (low emission, low toxicity in case of fire)		EN 45545
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

### CHARACTERISTICS OF THE ADHESIVE

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>LINER</b>	White HDPE	-
<b>ADHESIVE</b>	Acrylic	-
<b>ADHESIVE WEIGHT</b>	$90 \pm 2 \text{ g/m}^2$	-
<b>SCRIM</b>	Polyester	-
<b>PEEL ADHESION ON STEEL</b>	17,5 N/in	FMT 1
<b>SHEAR</b>	>25 h	FMT 8
<b>LOOP TACK ON STEEL</b>	13 N/in	FMT 9
<b>RECOMMENDED APPLICATION TEMPERATURE</b>	from +10 °C to +40 °C	-
<b>TEMPERATURE RESISTANCE AFTER APPLICATION</b>	from -10 °C to +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 FPX HF should be protected with Union Covering or Vec elastomeric paint.

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

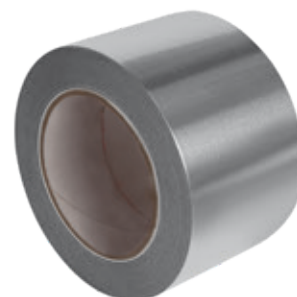
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## NCA

<b>TYPE OF MATERIAL:</b>	Aluminium self-adhesive tape
<b>PRODUCT RANGE:</b>	50 m length tape available in width of 50 mm, 75 mm and 100 mm
<b>FIELDS OF APPLICATION:</b>	Sealing tape for insulated system, ventilations pipes and air conditioning ducts
<b>MAIN FEATURES:</b>	Strong and flexible aluminium tape with high adhesion and initial tack. Highly resistant to moisture
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive coating based on synthetic rubber. Protection liner made of polyolefin. Traces of silicon can be found on the foil protecting the adhesive coating
<b>STORAGE CONDITIONS / SHELF LIFE:</b>	Store the material in a dry and clean environments 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. Should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>THICKNESS</b>	0,03 mm	DIN EN 1942
<b>ELONGATION AT BREAK</b>	5%	DIN EN 14410
<b>TENSILE STRENGTH</b>	25 N/cm	DIN EN 14410
<b>PEEL ADHESION ON STEEL</b>	9 N/cm	DIN EN 1939

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## NCA NERO

<b>TYPE OF MATERIAL:</b>	Aluminium self-adhesive tape, black coloured
<b>PRODUCT RANGE:</b>	50 m length tape available in width of 38 mm and 50 mm
<b>FIELDS OF APPLICATION:</b>	Sealing tape for insulated system, ventilations pipes and air conditioning ducts
<b>MAIN FEATURES:</b>	Strong and flexible aluminium tape, ensure mechanical protection for rubber system sealing
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive coating based on synthetic rubber. Protection liner made of polyolefin. Traces of silicon can be found on the foil protecting the adhesive coating
<b>STORAGE CONDITIONS / SHELF LIFE:</b>	Store the material in a dry and clean environments 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. Should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>THICKNESS</b>	0,05 mm	DIN EN 1942
<b>ELONGATION AT BREAK</b>	5%	DIN EN 14410
<b>TENSILE STRENGTH</b>	20 N/cm	DIN EN 14410
<b>PEEL ADHESION ON STEEL</b>	8 N/cm	DIN EN 1939

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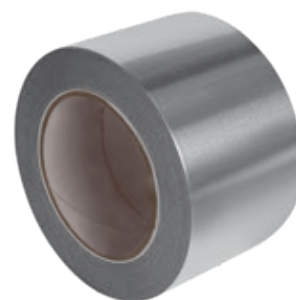


## NCA TEC

<b>TYPE OF MATERIAL:</b>	Aluminium self-adhesive tape with thermoplastic UV protective covering
<b>PRODUCT RANGE:</b>	50 m length tape available in width of 25 mm, 50 mm, 75 mm, 100 mm
<b>FIELDS OF APPLICATION:</b>	Sealing tape for ISOLTEC insulated system
<b>MAIN FEATURES:</b>	Weather and UV-resistant, excellent water vapour barrier. Very good ageing properties
<b>ADDITIONAL INFORMATION:</b>	Acrylic self-adhesive coating. Protection liner made of polyolefin. Traces of silicon can be found on the foil protecting the adhesive coating
<b>STORAGE CONDITIONS / SHELF LIFE:</b>	Store the material in a dry and clean environments 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. Should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>THICKNESS</b>	0,08 mm	DIN EN 1942
<b>ELONGATION AT BREAK</b>	45%	DIN EN 14410
<b>TENSILE STRENGTH</b>	40 N/cm	DIN EN 14410
<b>PEEL ADHESION ON STEEL</b>	8 N/cm	DIN EN 1939

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## NCG

<b>TYPE OF MATERIAL:</b>	Plasticized PVC self-adhesive tape, grey colour
<b>PRODUCT RANGE:</b>	33 m length tape available in width of 25 mm and 50 mm
<b>FIELDS OF APPLICATION:</b>	Sealing tape for ISOPAK insulated system
<b>MAIN FEATURES:</b>	Flexible, ageing resistant and easy to apply on different and irregular surfaces
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive coating based on synthetic rubber
<b>STORAGE CONDITIONS / SHELF LIFE:</b>	Store the material in a dry and clean environments 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. Should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>THICKNESS</b>	0,13 mm	DIN EN 1942
<b>ELONGATION AT BREAK</b>	200%	DIN EN 14410
<b>TENSILE STRENGTH</b>	20 N/cm	DIN EN 14410
<b>PEEL ADHESION ON STEEL</b>	1,5 N/cm	DIN EN 1939

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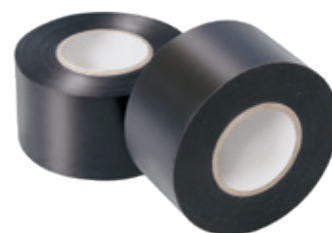




## NCN

<b>TYPE OF MATERIAL:</b>	Plasticized PVC self-adhesive tape, black colour
<b>PRODUCT RANGE:</b>	25 m length tape available in width of 25 mm, 38 mm and 50 mm
<b>FIELDS OF APPLICATION:</b>	Sealing tape for insulated system, ventilations pipes and air conditioning ducts
<b>MAIN FEATURES:</b>	Flexible, ageing resistant and easy to apply on different and irregular surface
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive coating based on synthetic rubber
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. Should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>THICKNESS</b>	0,1 mm	DIN EN 1942
<b>ELONGATION AT BREAK</b>	190%	DIN EN 14410
<b>TENSILE STRENGTH</b>	18 N/cm	DIN EN 14410
<b>PEEL ADHESION ON STEEL</b>	1,5 N/cm	DIN EN 1939



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## NCB

<b>TYPE OF MATERIAL:</b>	Plasticized PVC self-adhesive tape, white colour
<b>PRODUCT RANGE:</b>	25 m length tape available in width of 38 mm and 50 mm
<b>FIELDS OF APPLICATION:</b>	Sealing tape for insulated system, ventilations pipes and air conditioning ducts
<b>MAIN FEATURES:</b>	Flexible, ageing resistant and easy to apply on different and irregular surfaces
<b>ADDITIONAL INFORMATION:</b>	Self-adhesive coating based on synthetic rubber
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. Should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
<b>THICKNESS</b>	0,15 mm	DIN EN 1942
<b>ELONGATION AT BREAK</b>	190%	DIN EN 14410
<b>TENSILE STRENGTH</b>	25 N/cm	DIN EN 14410
<b>PEEL ADHESION ON STEEL</b>	2 N/cm	DIN EN 1939



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## CNX S

<b>GENERAL CHARACTERISTICS:</b>	One component Polychloroprene adhesive of high thermal resistance. Thanks to the specific formulation, CNX S has a longer "open time", which allows to increase the operating time between the application of the adhesive and the installation of the material
<b>RECOMMENDED USE:</b>	CNX S Adhesive is used to bond NBR based products as Eurobatex and Eurobatex HF. It is the preferred product for any situation involving the installation of Eurobatex sheets and for sealing butt joints and seams in both domestic and industrial application
<b>TECHNICAL CHARACTERISTICS:</b>	<p><b>General Composition:</b> polychloroprene polymer and synthetic resins dissolved in organic solvents.  <b>Solvent Composition:</b> a mixture of Aliphatic and Acrylic compounds including Ketones and Esters.  <b>Appearance:</b> a medium viscosity, straw yellow liquid.  <b>Viscosity:</b> 600 ± 100 mPa.s (tested with a Brookfield RVT Viscosimeter at 20 rpm with a No.3 Spindle).  <b>Density:</b> 870 g/cm<sup>3</sup>  <b>Dry Residue (%):</b> 21,2 ± 1,5  <b>Operating temperature range:</b> -40 °C to +110 °C  <b>Application temperature range:</b> +10 °C to +30 °C</p>
<b>APPLICATION TECHNIQUE:</b>	<ul style="list-style-type: none"> <li>• CNX S is a contact adhesive and it should be applied to both surfaces to be bonded as a thin, even, continuous film. Performance on FEF insulation material: 100/150 g/m<sup>2</sup></li> <li>• Allow the adhesive to "tack dry", that is to say to let it become dry to the touch but tacky under slight pressure.</li> <li>• The tack time or open time for CNX S is typically 15 to 20 minutes at an average temperature of 20 °C</li> <li>• Bring the surfaces to be bonded together using firm pressure. Work from the ends to the middle with seams and fit butt joints under pressure.</li> <li>• CNX S requires 36 hours to completely dry at room temperature. During this time it should not be exposed to mechanical stress or to an operating temperature of 110 °C.</li> <li>• To prevent the solvent evaporation, it is strongly recommended that the necessary quantity of adhesive is poured into a different container and that the tin is kept tightly sealed.</li> <li>• Before using CNX S read carefully the material safety data sheet (MSDS).</li> </ul>
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	CNX S Adhesive has a shelf life of 12 months when stored in the original containers at an ambient temperature of 10 °C to 30 °C
<b>PACKAGING:</b>	CNX S Adhesive is supplied in metal cans with a net weight of 200g, 425g and 850g

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## CNX AT1

<b>GENERAL CHARACTERISTICS:</b>	One component Polychloroprene adhesive of high thermal resistance (up to +150 °C)
<b>RECOMMENDED USE:</b>	CNX AT1 Adhesive is used to bond EPDM based Eurobatex products. It is the preferred product for any situation involving the installation of sheets, pipes and for sealing butt joints and seams in both domestic and industrial application
<b>TECHNICAL CHARACTERISTICS:</b>	<p><b>General Composition:</b> polychloroprene polymer and synthetic resins dissolved in organic solvents.  <b>Solvent Composition:</b> a mixture of Aliphatic and Acrylic compounds including Ketones and Esters.  <b>Appearance:</b> a medium viscosity, straw yellow liquid.  <b>Viscosity:</b> <math>850 \pm 100</math> mPa.s (tested with a Brookfield RVT Viscosimeter at 20rpm with a No.3 Spindle).  <b>Density:</b> 880 g/cm<sup>3</sup>  <b>Dry Residue (%):</b> 20,43 <math>\pm</math> 1,5  <b>Operating temperature range:</b> -40 °C to +150 °C  <b>Application temperature range:</b> +10 °C to +30 °C</p>
<b>APPLICATION TECHNIQUE:</b>	<ul style="list-style-type: none"> <li>• CNX AT1 Adhesive can be applied by brush, abt. 100-150 g/m<sup>2</sup> for a double-side application.</li> <li>• Carefully clean up the pieces to have a dry, free of grease and dust surface to bind.</li> <li>• Spread evenly a thin layer of adhesive on the two surfaces to be joined.</li> <li>• Allow each prepared surface to dry separately for 5 minutes depending on temperature and environment conditions.</li> <li>• When the pieces are dry and sticky to the touch press strongly together for 5/10 seconds.</li> <li>• CNX AT1 Adhesive requires 36 hours to fully cure at room temperature and should not be exposed to mechanical stress or an operating temperature of 150 °C until it is fully cured.</li> <li>• To prevent the solvent evaporation, it is strongly recommended that the necessary quantity of adhesive is poured into a different container and that the tin is kept tightly sealed.</li> <li>• Before using CNX AT1 adhesive we recommend reading the material safety data sheet (MSDS).</li> </ul>
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	CNX AT1 Adhesive has a shelf life of 12 months when stored in the original containers at an ambient temperature of 10 °C to 30 °C
<b>PACKAGING:</b>	CNX AT1 Adhesive is supplied in metals cans with a net weight of 425g - 24 cans/box

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## ELASTOMERIC PAINT - VEC

<b>GENERAL CHARACTERISTICS:</b>	VEC paint is an elastomeric coating manufactured from styrene acrylic copolymers and inorganic pigments in an aqueous solution to give a product with a satin finish. It is designed to provide weather protection and UV radiation resistance to Eurobatex in external environments and to provide a flexible coating on pipes, ducts and FEF insulated mechanical services indoors		
<b>RECOMMENDED USE:</b>	VEC Paint is recommended by Union Foam for use on Eurobatex tubes and sheets, it may also be used on Eurobatex HF and Eurobatex AT, the latter product does not require weather protection but here the paint can be used as a flexible decorative finish. Elastomeric paint is technically suitable for waterproofing a wide range of non-permeable horizontal surfaces including, roofs, elastic and rubberised supports but it is the duty of the installer to confirm compatibility in such cases		
<b>TECHNICAL CHARACTERISTICS:</b>	<b>Density at 25 °C:</b> 1,250 to 1,360 g/cm <sup>3</sup> <b>Solid content (dry residue):</b> 66%	<b>Physical appearance:</b> Thixotropic Paste	<b>Coverage:</b> 3-5 m <sup>2</sup> /litre per coat
<b>PHYSICAL PROPERTIES:</b>	The high elasticity of the product makes it compatible with flexible substrates such as Eurobatex. It can be applied to large surface areas without the use of expansion joints even when these surfaces are in direct sunlight. VEC Paint has been formulated to offer a high level of weather protection and resistance to UV radiation (tested to > 100 hours exposure on a QUV Weatherometer); it forms a good mechanical key to Eurobatex surfaces and if correctly applied will form a uniform weatherproof sheath		
<b>SURFACE PREPARATION:</b>	The Eurobatex surface should be clean, dry and free from any oil, grease, organic growth or any extraneous substances which may affect the adhesion or cure of the paint		
<b>APPLICATION:</b>	<b>Method:</b> brush, roller or airless spray. <b>Dilution:</b> when using 2 coats the first coat may be diluted with 5-7% by volume of clean water. Dilution is not acceptable for 1 coat application. <b>Ambient application limits:</b> The paint may be applied when the Ambient Temperature is between 10 °C and 35 °C and the Relative Humidity ≤70%; lower Ambient Temperatures will significantly extend drying times and very low Ambient Temperature, <5 °C may make the product too viscous to apply as a smooth even coating. Application at temperatures above 35 °C may cause surface skinning. <b>Dry Film Thickness:</b> typically 0,5 mm per coat. <b>Coverage:</b> 1,5 to 2,5m <sup>2</sup> /litre for 2 coat application. <b>Number of coats:</b> 1 or 2 <b>Drying time at 25° C, 60% R.H.:</b> Touch Dry 4h Dry Through 12h Fully Cured 24h These values are influenced by the ambient temperature and relative humidity with lower temperatures and higher humidity extending the times shown. VEC Paint is a water based coating and is therefore in danger of being washed off until it is completely dry. This needs to be taken into consideration for external application and in the case of external ductwork covering is always recommended		
<b>COLOURS:</b>	Grey is permanently in stock. Black and white and other colours can be made to order but will be subject to extended lead times and minimum order requirement		
<b>PACKAGING:</b>	0,75 litre and 2,5 litre plastic pails		
<b>SHELF LIFE AND STORAGE:</b>	The product can be stored for a maximum of 6 months in its original hermetically sealed containers in a cool place. Residual material in opened tins should be used as soon as possible and stored in a container which minimises the air-space above the product and the lid. Do not expose the product to an ambient temperature in excess of 40 °C, permanent storage at high ambient temperatures will shorten the shelf life		
<b>HEALTH AND SAFETY:</b>	The product is not classified as a hazardous material pursuant to the provisions set out Directives 67/548/EEC and 1999/45/EEC or to any subsequent amendments or additions to these regulations. Residues must not be disposed of in to sewerage systems and unnecessary contact with skin should be avoided; uncured paint may be washed off with warm soapy water		

### PERFORMANCE ON INSULATING PIPES METER/LITRE

Diameter mm	Thickness 6 mm	Thickness 9 mm	Thickness 13 mm	Thickness 19 mm	Thickness 25 mm	Thickness 32 mm
6	71	46				
8	64	43				
10	58	42	35	25		
12	53	36	34	24		
14	49	31	34	23		
16	46	29	28	22		
18	43	25	26	20	15	11
20	41	22	23	18	14	10
22	38	22	23	18	14	10
25	35	20	20	16	13	9
27	33	20	20	16	13	9
34	28	18	16	15	12	9
42	23	18	16	14	11	8
48		16	15	13	11	8
54		15	14	12	10	7
60		14	13	11	10	7
70		13	11	10	9	6
76		12	10	9	8	6
89		11	9	9	8	6
102		10	9	8	7	5
108		9	8	8	7	5
114			8	7	6	5
127			7	7	6	5
134			7	6	5	4
140			6	5	5	4
160			6	5	4	4

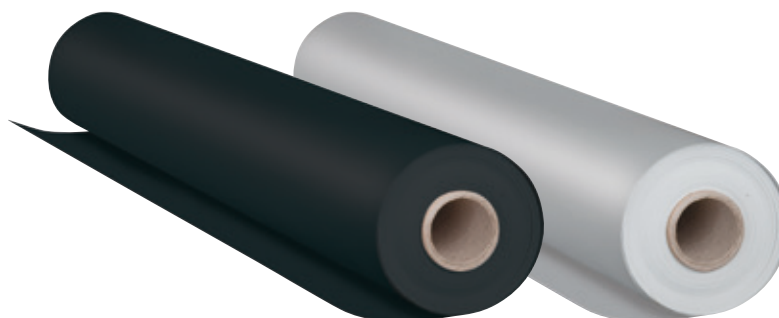
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## POLYMERIC JACKETING

<b>TYPE OF MATERIAL:</b>	A tough flexible non-metallic jacketing system designed to be compatible with Flexible Elastomeric Foam (FEF) products such as Eurobatex, available in Black and Grey colour
<b>PRODUCT RANGE:</b>	Supplied in 1 metre wide rolls with a length of 25 m; available in thicknesses of 1 mm and 2 mm
<b>FIELDS OF APPLICATION:</b>	Protection of insulated pipework, valves fittings, ductwork, vessels, plant and equipment in a range of industrial applications including onshore and off-shore chemical, petrochemical and LNG plant and equipment
<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 before installing

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>OPERATING TEMPERATURE RANGE*</b>	-20 °C +120 °C		ASTM D 573
<b>DENSITY</b>	1,8 g/cm <sup>3</sup> (±0,05)		ASTM D 1622
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR</b>	$\mu \geq 15000$		EN 12086
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	B-s3,d0	EN 13501-1
<b>SHIPYARDS (MED)</b>	Meets test requirements		IMO Res. MSC.307 (88)
<b>OZONE RESISTANCE</b>	Good		
<b>UV RESISTANCE</b>	Good		
<b>TENSILE STRENGTH</b>	$\geq 5$ MPa		ASTM D 412 C
<b>ELONGATION AT BREAK</b>	$\geq 150\%$		ASTM D 412 C

\*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.  
 Installation: it is recommended fixing with adhesive CNX S, thermal fixing with hot air gun, if necessary also with mechanical fixing.  
 Finishing: must carry out with a sealant.  
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## ISOPAK

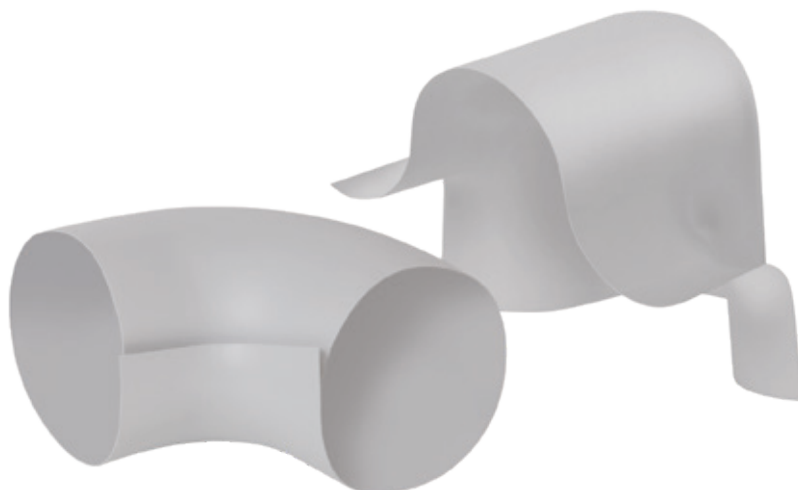
<b>TYPE OF MATERIAL:</b>	Recoiling PVC sheet
<b>PRODUCT RANGE:</b>	Rolled sheets 1 m width and 25 m length. 90° elbows
<b>FIELDS OF APPLICATION:</b>	Mechanical and aesthetical finishing for insulation material
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environment at 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

PHYSICAL PROPERTIES	REFERENCE VALUES	
<b>COLOUR:</b>	Grey	
<b>THICKNESS:</b>	350 µm	
<b>BREAKING LOAD:</b>	longitudinal	30 - 35 N/mm <sup>2</sup>
	horizontal	25 - 30 N/mm <sup>2</sup>
<b>TENSILE STRENGTH:</b>	longitudinal	40 - 45 N/mm <sup>2</sup>
	horizontal	34 - 40 N/mm <sup>2</sup>
<b>ELONGATION AT BREAK:</b>	longitudinal	150 - 200%
	horizontal	100 - 150%
<b>WITHDRAWAL:</b>	longitudinal	2,5 - 3%
	horizontal	0,0 - 0,5%
<b>HEAT-STABLE:</b>	- 20° C + 60 °C	
<b>SOFTENING POINT:</b>	73 ± 1 °C	
<b>DENSITY:</b>	1,38 ± 0,01 g/cm <sup>3</sup>	
<b>REACTION TO FIRE:</b>	B2 (DIN 4102)	
	Class 1	

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## 90° PVC ELBOWS

Piping Ø mm	Thickness 20 mm	Thickness 25 mm	Thickness 30 mm	Thickness 32 mm	Thickness 40 mm	Thickness 50 mm	Thickness 60 mm
12	CPVC 3S-060						
17	CPVC 3S-060	CPVC 3S-070	CPVC 3S-080	CPVC 3S-090	CPVC 3S-100	CPVC 3S-120	
21	CPVC 3S-070	CPVC 3S-080	CPVC 3S-090	CPVC 3S-090	CPVC 3S-110	CPVC 3S-130	
27	CPVC 3S-070	CPVC 3S-080	CPVC 3S-090	CPVC 3S-100	CPVC 3S-110	CPVC 3S-130	
34	CPVC 3S-080	CPVC 3S-090	CPVC 3S-100	CPVC 3S-100	CPVC 3S-120	CPVC 3S-140	CPVC 3S-160
43	CPVC 3S-090	CPVC 3S-100	CPVC 3S-110	CPVC 3S-110	CPVC 3S-130	CPVC 3S-150	CPVC 3S-170
48	CPVC 3S-090	CPVC 3S-100	CPVC 3S-110	CPVC 3S-120	CPVC 3S-130	CPVC 3S-150	CPVC 3S-170
54	CPVC 3S-100			CPVC 3S-120		CPVC 3S-160	
57			CPVC 3S-120				
60	CPVC 3S-100	CPVC 3S-110	CPVC 3S-120		CPVC 3S-150	CPVC 3S-170	CPVC 3S-190
64	CPVC 3S-110		CPVC 3S-130				CPVC 3S-190
70	CPVC 3S-110		CPVC 3S-130		CPVC 3S-160	CPVC 3S-180	CPVC 3S-200
76	CPVC 3S-120	CPVC 3S-130	CPVC 3S-140	CPVC 3S-150	CPVC 3S-160	CPVC 3S-180	CPVC 3S-200
89	CPVC 3S-130	CPVC 3S-140	CPVC 3S-150	CPVC 3S-160	CPVC 3S-170	CPVC 3S-190	CPVC 3S-210
102	CPVC 3S-150	CPVC 3S-160	CPVC 3S-170		CPVC 3S-190	CPVC 3S-210	CPVC 3S-230
108	CPVC 3S-150	CPVC 3S-160	CPVC 3S-170		CPVC 3S-200	CPVC 3S-220	CPVC 3S-240
114	CPVC 3S-160	CPVC 3S-170	CPVC 3S-180	CPVC 3S-190	CPVC 3S-200	CPVC 3S-220	CPVC 3S-240
127							
134		CPVC 3S-190	CPVC 3S-200		CPVC 3S-220	CPVC 3S-240	CPVC 3S-260
140		CPVC 3S-200	CPVC 3S-210	CPVC 3S-210	CPVC 3S-230	CPVC 3S-250	CPVC 3S-270
159		CPVC 3S-220	CPVC 3S-230		CPVC 3S-250	CPVC 3S-270	CPVC 3S-290
168		CPVC 3S-220	CPVC 3S-230		CPVC 3S-260	CPVC 3S-280	CPVC 3S-300
194					CPVC 3S-280	CPVC 3S-300	CPVC 3S-320
219		CPVC 3S-280	CPVC 3S-290		CPVC 3S-310	CPVC 3S-330	CPVC 3S-350
245							
267			CPVC 3S-330			CPVC 3S-370	CPVC 3S-390
273		CPVC 3S-330					
324		CPVC 3S-380	CPVC 3S-390			CPVC 3S-430	
356							





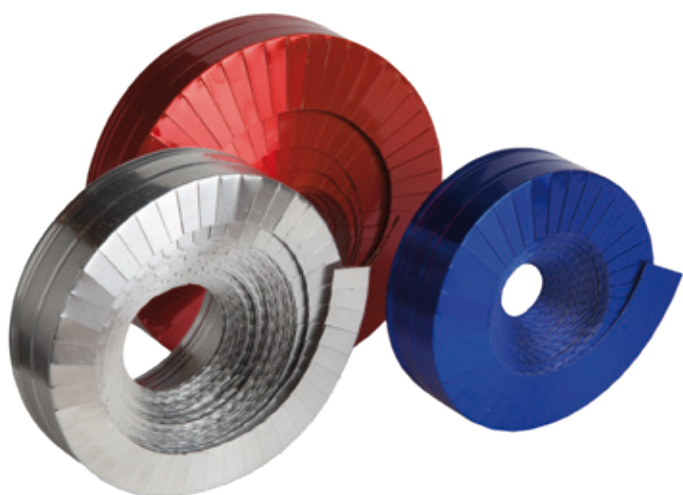
## MISCELLANEOUS ACCESSORIES

Item No.	Description	pcs/ct
ISOPAK	Recoiling PVC sheet, width 1 m, length 25 m	25 m <sup>2</sup>
PNT	Straight awl	loose
CHIODI	Plastic tacks for awl	1000
PNT MET	Metallic straight awl	loose
CHIODI MET	Metallic tacks	1000



## ALUMINIUM ENDCAPPINGS

Item No.	Description	Colour	Length mm	pcs/ct
TER-NA 18	18 mm for pipes from Ø 22 mm to Ø 34 mm	natural	10	5
TER-RS 18	18 mm for pipes from Ø 22 mm a Ø 34 mm	red	10	5
TER-BL 18	18 mm for pipes from Ø 22 mm a Ø 34 mm	blue	10	5
TER-NA 23	23 mm for pipes from Ø 43 mm a Ø 49 mm	natural	10	5
TER-RS 23	23 mm for pipes from Ø 43 mm a Ø 49 mm	red	10	5
TER-BL 23	23 mm for pipes from Ø 43 mm a Ø 49 mm	blue	10	5
TER-NA 28	28 mm for pipes from Ø 61 mm a Ø 90 mm	natural	10	5
TER-RS 28	28 mm for pipes from Ø 61 mm a Ø 90 mm	red	10	5
TER-BL 28	28 mm for pipes from Ø 61 mm a Ø 90 mm	blue	10	5
TER-NA 38	38 mm for pipes from Ø 102 mm a Ø 115 mm	natural	10	5
TER-RS 38	38 mm for pipes from Ø 102 mm a Ø 115 mm	red	10	5
TER-BL 38	38 mm for pipes from Ø 102 mm a Ø 115 mm	blue	10	5



# UNION COVERING

Union Covering is an Aluminium Cladding system, comprising the cladding itself in roll form plus various pre-formed fitting covers. The system also includes rivets, punches and other accessories to allow it to be correctly installed in accordance with the Installation Manual. Union Covering provides a mechanically strong and aesthetically pleasing cladding system suitable for use over Eurobatex and various other types of thermal insulation product.



## UNION COVERING

<b>TYPE OF MATERIAL:</b>	99,5% aluminium sheet
<b>PRODUCT RANGE:</b>	Pipe sections with a thickness of 0,6 mm and diameters from 80 mm to 400 mm, length 1 m. Elbows with a thickness of 0,6 mm and diameters from 80 mm to 400 mm
<b>FIELDS OF APPLICATION:</b>	Cladding, protecting and enhancing the appearance of insulations, also for external application

MECHANICAL PROPERTIES			
	Yield point % 0,2 (MPa)	Tensile strength (MPa)	Elongation - A %
<b>TEST RESULTS</b>	171,78	182,82	2,84

CHEMICAL COMPOSITION								
	Si%	Fe%	Cu%	Mn%	Mg%	Zn%	Ti%	Al%
<b>TYPICAL VALUES</b>	0,087	0,353	0,006	0,004	0,002	0,009	0,0065	99,534

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## UNION COVERING

### 99,5% ALUMINIUM PIPE SECTIONS - LENGTH 1 m

Item No.	Pipe ø mm	Thickness mm
*TALU 0,60 - 80	80	0,6
TALU 0,60 - 90	90	0,6
TALU 0,60 - 100	100	0,6
TALU 0,60 - 110	110	0,6
TALU 0,60 - 120	120	0,6
TALU 0,60 - 130	130	0,6
TALU 0,60 - 140	140	0,6
TALU 0,60 - 150	150	0,6
TALU 0,60 - 160	160	0,6
TALU 0,60 - 170	170	0,6
TALU 0,60 - 180	180	0,6
TALU 0,60 - 190	190	0,6
TALU 0,60 - 200	200	0,6
TALU 0,60 - 210	210	0,6
TALU 0,60 - 220	220	0,6
TALU 0,60 - 230	230	0,6
TALU 0,60 - 240	240	0,6
TALU 0,60 - 250	250	0,6
TALU 0,60 - 260	260	0,6
TALU 0,60 - 270	270	0,6
TALU 0,60 - 280	280	0,6
TALU 0,60 - 290	290	0,6
TALU 0,60 - 300	300	0,6
TALU 0,60 - 310	310	0,6
TALU 0,60 - 320	320	0,6
TALU 0,60 - 330	330	0,6
TALU 0,60 - 340	340	0,6
TALU 0,60 - 350	350	0,6
TALU 0,60 - 360	360	0,6
TALU 0,60 - 370	370	0,6
TALU 0,60 - 380	380	0,6
TALU 0,60 - 390	390	0,6
TALU 0,60 - 400	400	0,6

\* Length 500 mm.

## 90° ELBOWS

### 99,5% ALUMINIUM

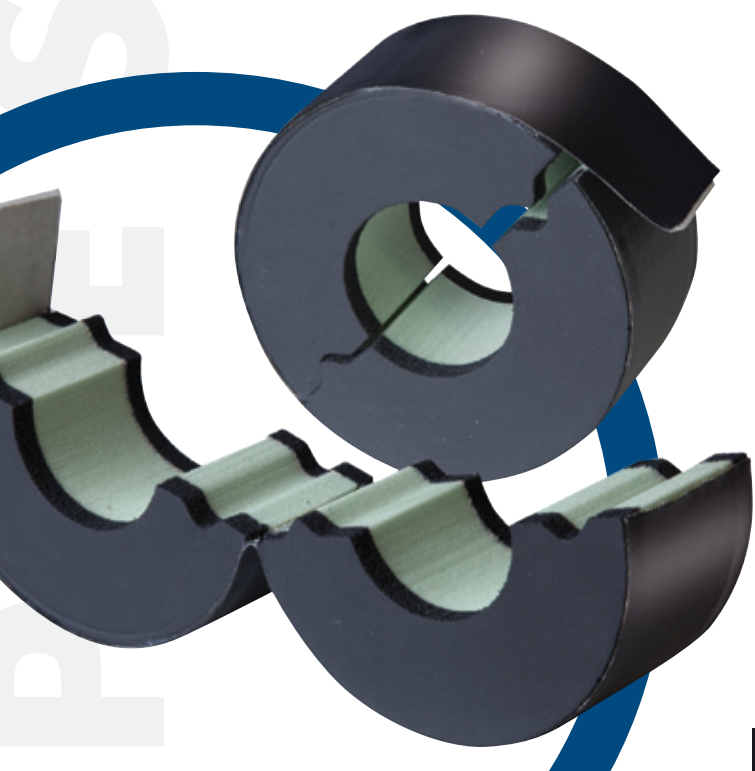
Item No.	Elbow ø mm	Thickness mm
CALU 0,60 - 80	80	0,6
CALU 0,60 - 90	90	0,6
CALU 0,60 - 100	100	0,6
CALU 0,60 - 110	110	0,6
CALU 0,60 - 120	120	0,6
CALU 0,60 - 130	130	0,6
CALU 0,60 - 140	140	0,6
CALU 0,60 - 150	150	0,6
CALU 0,60 - 160	160	0,6
CALU 0,60 - 170	170	0,6
CALU 0,60 - 180	180	0,6
CALU 0,60 - 190	190	0,6
CALU 0,60 - 200	200	0,6
CALU 0,60 - 210	210	0,6
CALU 0,60 - 220	220	0,6
CALU 0,60 - 230	230	0,6
CALU 0,60 - 240	240	0,6
CALU 0,60 - 250	250	0,6
CALU 0,60 - 260	260	0,6
CALU 0,60 - 270	270	0,6
CALU 0,60 - 280	280	0,6
CALU 0,60 - 290	290	0,6
CALU 0,60 - 300	300	0,6
CALU 0,60 - 310	310	0,6
CALU 0,60 - 320	320	0,6
CALU 0,60 - 330	330	0,6
CALU 0,60 - 340	340	0,6
CALU 0,60 - 350	350	0,6
CALU 0,60 - 360	360	0,6
CALU 0,60 - 370	370	0,6
CALU 0,60 - 380	380	0,6
CALU 0,60 - 390	390	0,6
CALU 0,60 - 400	400	0,6



## EUROBATEX® PIPE SUPPORTS

EUROBATEX pipe supports are composite products made of polyurethane foam (PIR) coupled with flexible elastomeric foam (FEF), with a black PVC coating.

These are the ideal solution for insulating shear connectors of piping, creating a barrier against condensation and safeguarding the properties of the insulation material.



# EUROBATEX® PIPE SUPPORTS

<b>TYPE OF MATERIAL:</b>	Expanded polyurethane foam (PIR) coupled with flexible elastomeric foam (FEF) with an external PVC coating
<b>PRODUCT RANGE:</b>	Pipe supports with thicknesses from 13 mm to 32 mm and diameters from 17 mm to 168 mm, length 50 mm
<b>FIELDS OF APPLICATION:</b>	Mechanical protection, condensation control and to safeguard the properties of the insulation material on piping in general
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. The products should not be kept in storage for more than one year

## CHARACTERISTICS OF THE POLYURETHANE INSULATION MATERIAL

PHYSICAL PROPERTIES	RESULT OBTAINED					TEST METHOD
DENSITY	60 - 80 kg/m³*					ISO 845
OPERATING TEMPERATURE RANGE	- 180 °C + 120 °C					
THERMAL CONDUCTIVITY	At a mean temperature of +10 °C		λ 0,036 ≤ W/m·K			ASTM C 518
WATER VAPOUR TRANSMISSION	60 kg/m³		30 (+/-10) g/m² - 24 h			ISO 1663
	80 kg/m³		25 (+/-10) g/m² - 24 h			
WATER ABSORPTION	5%					ISO 2896
COMPRESSION RESISTANCE	Parallel	60 kg/m³	kPa 670 (+/-80)	80 kg/m³	kPa 970 (+/-120)	ISO 844
	Perpendicular	60 kg/m³	kPa 440 (+/-120)	80 kg/m³	kPa 670 (+/-150)	
TENSILE STRENGTH	Parallel	60 kg/m³	kPa 860 (+/-90)	80 kg/m³	kPa 1280 (+/-160)	ASTM D 1623
	Perpendicular	60 kg/m³	kPa 710 (+/-130)	80 kg/m³	kPa 1000 (+/-220)	
SHEAR STRENGTH	60 kg/m³			kPa 350 (+/-60)		ASTM C 273
	80 kg/m³			kPa 550 (+/-60)		
DIMENSION STABILITY Length - Width - Thickness	At - 25 °C x 48 h			+0,5%		ISO 2796
	At + 100 °C x 48 h			+1,0%		

\*NB: PIR density of 60 kg/m<sup>3</sup> for pipe supports up to a diameter of 35 mm.

PIR density of 80 kg/m<sup>3</sup> for pipe supports with diameters from 42 mm to 219 mm.

The characteristics of the flexible elastomeric foam (FEF) are specified in the technical data sheet EUROBATEX n°01.

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

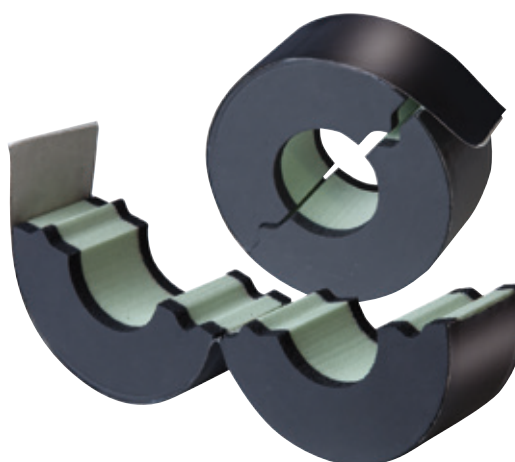
Union Foam S.p.A. reserves the right to modify any information at any time without prior notice.

# EUROBATEX® PIPE SUPPORTS

Supports with black PVC coating

Thickness 13 mm	Thickness 19 mm	Thickness 25 mm	Thickness 32 mm
Piping ø mm	Piping ø mm	Piping ø mm	Piping ø mm
18	18	18	18
22	22	22	22
28	28	28	28
35	35	35	35
42	42	42	42
48	48	48	48
54	54	54	54
60	60	60	60
64	64	64	64
67	67	67	67
70	70	70	70
76	76	76	76
80	80	80	80
89	89	89	89
102	102	102	102
108	108	108	108
114	114	114	114
125	125	125	125
133	133	133	133
140	140	140	140
160	160	160	160
168	168	168	168

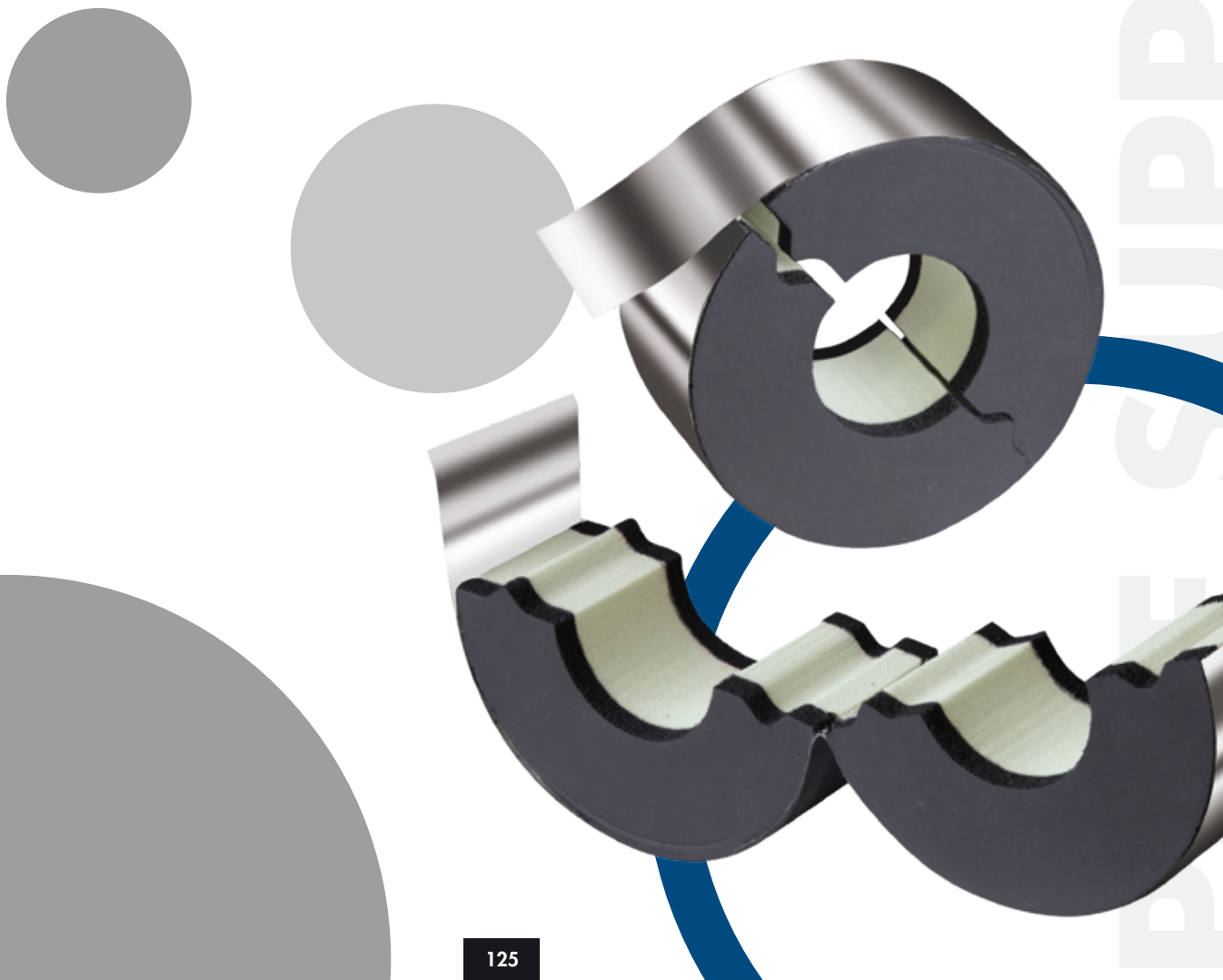
Different sizes can be produced on request.





# EUROBATEX® HF PIPE SUPPORTS

EUROBATEX HF pipe supports are HALOGEN FREE composite products made of polyurethane foam (PIR) coupled with flexible elastomeric foam (FEF) and aluminium protective covering. These are the ideal solution for insulating shear connectors of piping, creating a barrier against condensation and safeguarding the properties of the insulation material.



# EUROBATEX® HF PIPE SUPPORTS

<b>TYPE OF MATERIAL:</b>	Expanded polyurethane foam (PIR) coupled with flexible elastomeric foam (FEF) in halogen-free version, with an external aluminium coating
<b>PRODUCT RANGE:</b>	Pipe supports with thickness from 9 to 32 mm and diameters from 17 to 168 mm, lenght 50 mm
<b>FIELDS OF APPLICATION:</b>	Mechanical protection, condensation control and to safeguard the properties of the insulation material on piping in general
<b>ADDITIONAL INFORMATION:</b>	Certified for shipyards, in compliance with the Fire protection requirements of Marine Equipment Directive (MED) 2014/90/EU and of the Implementing Regulation (EU) 2018/773
<b>STORAGE CONDITIONS/SHELF LIFE:</b>	Store the material in a dry and clean environments 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. The products should not be kept in storage for more than one year

## CHARACTERISTICS OF THE POLYURETHANE INSULATION MATERIAL

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>DENSITY</b>	63 kg/m <sup>3</sup>		EN ISO 845 / EN 1602 ASTM D1622
<b>OPERATING TEMPERATURE RANGE</b>	- 180 °C + 120 °C		EN 14707 / EN 14706
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +10 °C	$\lambda \leq 0,031 \text{ W/m}\cdot\text{K}$	EN 12667 / ASTM C518 ASTM C177
<b>WATER VAPOUR TRANSMISSION</b>	1,25 ± 0,41 g/m <sup>2</sup> ·h		EN 12086 / ASTM E96
<b>WATER ABSORPTION</b>	< 2,5%		ISO 2896 / EN 12087 ASTM D2842
<b>PERCENTAGE OF CLOSED CELLS</b>	> 95%		EN ISO 4590 / ASTM D6226
<b>COMPRESSION RESISTANCE</b>	Parallel	0,6 ± 0,06 mPa	EN 826 / ASTM D1621
	Perpendicular	0,44 ± 0,1 mPa	
<b>TENSILE STRENGTH</b>	Parallel	0,83 ± 0,1 mPa	EN 1607 / ASTM D 1623-A
	Perpendicular	0,68 ± 0,13 mPa	
<b>SHEAR STRENGTH</b>	Perpendicular	0,34 ± 0,06 mPa	EN 12090 / ASTM C 273

The characteristics of the flexible elastomeric foam (FEF) are specified in the technical data sheets EUROBATEX HF n° 02.  
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 PIPE SUPPORTS

Halogen Free supports with aluminium covering

Thickness 13 mm	Thickness 19 mm	Thickness 25 mm	Thickness 32 mm
Piping ø mm	Piping ø mm	Piping ø mm	Piping ø mm
18	18	18	18
22	22	22	22
28	28	28	28
35	35	35	35
42	42	42	42
48	48	48	48
54	54	54	54
60	60	60	60
64	64	64	64
67	67	67	67
70	70	70	70
76	76	76	76
80	80	80	80
89	89	89	89
102	102	102	102
108	108	108	108
114	114	114	114
125	125	125	125
133	133	133	133
140	140	140	140
160	160	160	160
168	168	168	168

Different sizes can be produced on request.





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