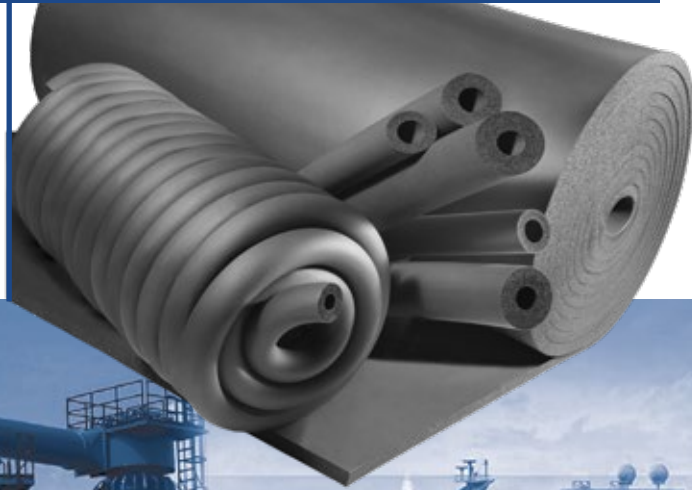


IT-FLEX

INSULATION SYSTEMS



GENERAL CATALOGUE



EVOCELL
& MOBIUS



FLEXIBLE SOLUTIONS. SOLID PERFORMANCE

At Evocell&Mobius, we turn over thirty years of elastomer expertise into advanced solutions for thermal and acoustic insulation.

We manufacture in Italy flexible, reliable materials engineered to deliver consistent performance over time, meeting the needs of the HVAC, industrial, civil, marine and railway sectors.

Our strength lies in a fully in-house, traceable production model, where every stage is monitored in real time and subjected to rigorous quality controls. Advanced formulations, continuous research and optimized processes allow us to develop products with an ideal balance of energy efficiency, safety and sustainability.

Every day we work to offer certified, high-performance insulation solutions compliant with European and international standards, ensuring professionals have a reliable, complete system that is readily available.

Evocell&Mobius: technology, expertise and vision serving a more efficient future.



**CERTIFICATE OF CONFORMITY
UNI EN ISO 9001:2015**



CISQ is a member of



The International Certification Network
www.iqnet-certification.com

**CERTIFICATO N. SQ113451
CERTIFICATE N. SQ113451**

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

EVOCELL&MOBIUS SRL

VIA A. MANZONI, 43 - 20121 MILANO (MI)

UNITA' OPERATIVE / OPERATIVE UNITS

VIA D. ALBERTARIO 63/65 - Z.I. BELLOCCHI - 61032 FANO (PU)

E' CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2015

PER LE SEGUENTI ATTIVITA' / FOR THE FOLLOWING ACTIVITIES

Produzione di tubi e lastre in materiale espanso. Commercializzazione di accessori complementari all'installazione dei tubi e delle lastre.
Production of tubes and sheets in expanded material. Marketing of accessories complementary to the installation of pipes and sheets.

Ulteriori informazioni riguardanti l'applicabilità dei requisiti ISO 9001:2015 possono essere ottenute consultando l'organizzazione
Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL
REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS

DATE:	PRIMA CERTIFICAZIONE FIRST CERTIFICATION	EMISSIONE CORRENTE CURRENT ISSUE	SCADENZA EXPIRY
	2011-11-21	2023-11-02	20/11/2026-11-20

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flavio Omago



SGQ N° 005 A

Numero degli Iscritti al Registro
Approvazione UNI, ISO e IAF
Ispezioni di UNI, IAF and IAF
Mutual Recognition Agreement

IAF: 14, 29

La validità del certificato è subordinata al monitoraggio annuale e insieme completo
del Sistema di Gestione con periodicità triennale
The validity of the certificate is subordinate to annual audit and a re-assessment
of the entire management system within three years



www.cisq.com

CISQ è la Federazione Italiana di Organismi di
Certificazione dei sistemi di gestione aziendale. CISQ
is the Italian Federation of management system
Certification Bodies.

IT-FLEX

insulation systems



Environmental Product Declaration

An LCA (Life Cycle Assessment) study has been carried out for the IT-FLEX C1 brand in order to offer you sustainable insulation solutions with EPD certification.

OUR COMMITMENT TO PROTECTING
THE ENVIRONMENT

SMALL ACTS, BIG IMPACT



 **EVOCELL
& MOBIUS**
FLEXIBLE SOLUTIONS. SOLID PERFORMANCE



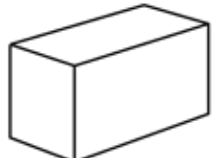


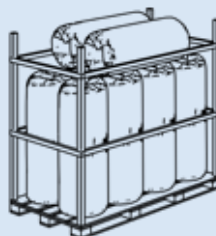

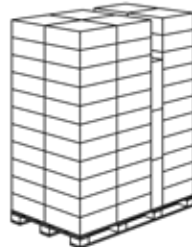
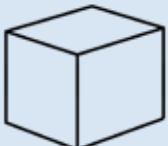
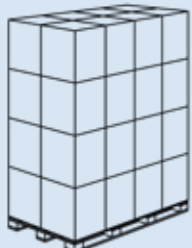


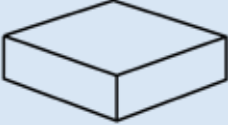
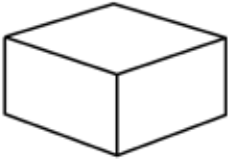
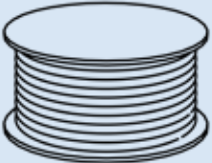
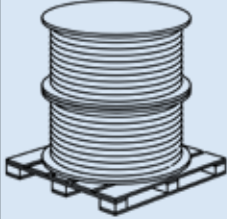
ISO 9001 - ISO 14001

Evocell&Mobius is ISO 9001 and ISO 14001 certified, confirming controlled processes, consistent quality, and responsible environmental management.

A concrete commitment to reliability, efficiency, and sustainability.

PACKAGING/PALLETS TABLE

Packaging	Product	Packaging dimensions (cm)	m ³	Pallet	Quantity packaging/Pallet	Pallet dimensions (cm)	m ³	Pallet/Lorry
<p>Box Tube length 2 m</p> 	<p>IT-FLEX C1 IT-FLEX C1 AD2-0G IT-FLEX C1 AD2 IT-FLEX C1 R IT-FLEX AT IT-FLEX AT R IT-FLEX HF</p>	209 x 40 x h 33	0,27		<p>24 21</p>	<p>210 x 120 x h 276 210 x 120 x h 242</p>	<p>6,95 6,09</p>	<p>12/13 13/14</p>
<p>Box Sheets in rolls h. 1 m</p> 	<p>IT-FLEX C1 IT-FLEX AT IT-FLEX HF IT-FLEX PE AL-PEN IT-FLEX TRIPLEX IT-FLEX UV PROTECTION IT-FLEX SYSTEM COVER</p>	108 x 54 x h 54	0,32		<p>20 16</p>	<p>210 x 120 x h 280 210 x 120 x h 227</p>	<p>7,10 5,80</p>	<p>12/13</p>
<p>Bag Sheets in rolls h. 1,5 m</p> 	<p>IT-FLEX C1 SA "DUCT" ADHESIVE IT-FLEX TRIPLEX "DUCT" ADHESIVE</p>	55 x h 150	0,36		<p>10</p>	<p>210 x 104 x h 210</p>	<p>4,60</p>	<p>12/13</p>
<p>Box Tubes in continuous rolls</p> 	<p>IT-FLEX C1 COLD COIL</p>	60 x 60 x h 20	0,07		<p>72</p>	<p>210 x 120 x h 243</p>	<p>6,12</p>	<p>12</p>
<p>Box Tubes in continuous rolls</p> 	<p>IT-FLEX CONTINUOS TUBES IN ROLLS</p>	50 x 61 x h 61	0,18		<p>32</p>	<p>210 x 120 x h 250</p>	<p>6,30</p>	<p>12</p>

Packaging	Product	Packaging dimensions (cm)	m ³	Pallet	Quantity packaging/ Pallet	Pallet dimensions (cm)	m ³	Pallets/ Lorry
Box Coil 10-15 m 	ULTRASOLAR 2 in rolls	80 x 82 x h 22	0,14					
Box Coil 20-25 m 	ULTRASOLAR 2	80 x 82 x h 40	0,26					
Wooden bobbin 50 m, - 100 m, - 150 m 	ULTRASOLAR 2	120 x 120 x h 60	0,86		3 2	120 x 120 x h 192 120 x 120 x h 132	2,76 1,91	22

Stock the material in a dry and clean environment at a room temperature between 0 °C and 35 °C and RH between 50% and 70%. Do not expose the material to heat or sun rays before installation.



INDEX

THERMAL INSULATION

IT-FLEX C1 (tubes and sheets)	10
IT-FLEX C1 AD2-OG/AD2 (pre-cut and adhesive tubes)	15
IT-FLEX C1 COLD COIL (tubes in continuous rolls)	19
IT-FLEX C1 R (coated tubes)	20
IT-FLEX AT (tubes and sheets)	21
IT-FLEX AT COIL (tubes in continuous rolls)	25
IT-FLEX ATR (coated tubes)	26
IT-FLEX ATR COIL (coated tubes in continuous rolls)	26
IT-FLEX HF HALOGEN FREE (tubes and sheets)	27
IT-FLEX C1 SA “DUCT” ADHESIVE - IT-FLEX TRIPLEX “DUCT” ADHESIVE (coated sheets - H 1500 mm)	33
EVOTEC (coated sheets and tubes)	36

SYSTEMS

IT-FLEX PE AL-PEN (coated sheets)	39
IT-FLEX TRIPLEX (coated sheets)	42
IT-FLEX UV PROTECTION (coated sheets)	45
IT-FLEX COVER (sheets and elbows)	48
POLYPAK	52
IT-FLEX TCA (tubes and elbows)	56
IT-FLEX SYSTEM COVER	59
ULTRASOLAR 2 (tubes)	72

ACOUSTIC INSULATION

79

EVOSOUND HD-RUB/HD-RUB LFS

80

EVOSOUND HD-RUB/HF

82

EVOSOUND HD/FR/EUROSOUND NAV

84

EVOSOUND OC

86

EVOSOUND NORUMOR

88

IT-FLEX TUBE SUPPORTS

92

ACCESSORIES**IT-FLEX ACCESSORIES**

96

TECHNICAL DOCUMENTATION

102

APPLICATION FIELDS

SYMBOL LEGEND



INDUSTRIAL



HEATING & PLUMBING/HVAC



AIR-CONDITIONING



REFRIGERATION



OIL & GAS



MARINE



RAILWAYS



SOLAR/HIGH TEMPERATURE



BUILDING



DATA CENTER

IT-FLEX C1

- Closed-cell microcellular structure
- Excellent insulation performance
- High water vapour diffusion resistance
- Ensures safety in the event of fire
- Antimicrobial protection ULTRA-FRESH KW-100*
- λ at 0 °C \leq 0,033 W/m•K
- $\mu \geq 10000 / \mu \geq 7000$
- Euroclass B_L-s2,d0 Tubes - B-s3,d0 Sheets
- *ULTRA-FRESH is a registered trademark of Thomson Research Associates, Inc



IT-FLEX C1 - C1R - Coil Pre-cut tubes - AD2 OG - AD 2

Technical data sheet

MATERIAL

Closed-cell flexible elastomeric foam (FEF).

PRODUCT RANGE

Self-adhesive and standard tubes in bars and in continuous rolls with diameters from 6 to 170 mm and thickness from 6 to 60 mm. Sheets in panels and rolls, standard and self-adhesive, with thicknesses from 6 to 60 mm.

Self-adhesive tapes with a thickness of 3 mm.

PRODUCT SPECIFICATION

Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT APPLICATION

Thermal insulation of components of civil and industrial heating, air-conditioning and refrigeration systems.**

ECOLOGICAL INFORMATION

Flexible and expanded CFC and HCFC-free rubber foam. Does not contain or release dust or fibres. EPD (Environmental Product Declaration). Declaration EPDITALY0094. Validity date 15/09/2023 - 15/09/2028. Code UNCPC 3623.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 110 °C - 50 °C	EN 14706 - 14707
THERMAL CONDUCTIVITY λ	Tubes 6-25 mm at 0 °C λ ≤ 0,033 W/m•K Tapes and sheets 3-32 mm at 20 °C λ ≤ 0,035 W/m•K at 40 °C λ ≤ 0,037 W/m•K	EN ISO 8497 - EN 12667
	Tubes 30-60 mm at 0 °C λ ≤ 0,036 W/m•K at 20 °C λ ≤ 0,038 W/m•K at 40 °C λ ≤ 0,040 W/m•K	
	Sheets 40-60 mm at 0 °C λ ≤ 0,034 W/m•K at 20 °C λ ≤ 0,036 W/m•K at 40 °C λ ≤ 0,038 W/m•K	
RESISTANCE TO WATER VAPOUR DIFFUSION μ	Sheets and tapes 6-25 mm; Tubes 6-19 mm μ ≥ 10000 Sheets and tapes 30-50 mm; Tubes 25-60 mm μ ≥ 7000	EN 13469 - EN 12086
REACTION TO FIRE USA UK UK SWISS	EUROCLASS { TUBES B ₁ -s2, d0 SHEETS B-s3, d0 SHEETS 60 mm: E TAPES B-s2, d0 UL V0 up to thk. 13 mm CLASS 1 CLASS 0 RF2(CR) PLAQUES - RF2 TUBES	EN 13501 - 1 UL 94 BS 476 : PART 6 - BS 476 : PART 7 AEAI - VKF Directive 2014/90/UE MED Module D - Module B
SHIPYARDS (MED)	MEETS REQUIREMENTS	EN 13469
CORROSION RISK	MEETS REQUIREMENTS	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING (IT-FLEX C1 R):

TYPE	SCRATCH RESISTANT/UV RESISTANT PE FILM	
COLOUR	WHITE RAL 9010	
WATER VAPOUR DIFFUSION FACTOR μ	≥ 10000	EN ISO 13469
UV RESISTANCE	EXCELLENT	UNI ISO 4892 - 2

*For applications at temperatures lower than those indicated, please consult our Technical Department. For tapes and self-adhesive sheets: maximum operating temperature 90 °C. **Please note: the IT-FLEX C1 insulating material is not designed to operate in direct contact with the conveyed fluid. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice. For specific requirements, please contact our Technical Department. The latest issued documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it Storage of self-adhesive products: not exceeding one year. Outdoor applications: C1 elastomer must be protected at the time of installation. (IT-FLEX TCA or polymeric coating VEC.) All standards referenced in this document are intended to be updated to their latest released versions. ULTRA-FRESH is a registered trademark of Thomson Research Associates, Inc. It is the responsibility of the end user to verify the suitability of the product for the intended application, in relation to the specific conditions of use and installation. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice.

01/26



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness D 6 mm		Thickness F 9 mm		Thickness H 13 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box	Code	m/box
6,35	6	1/4"					EVD006	496	EVF006	352	EVH006	220
7,93	8	5/16"					EVD008	432	EVF008	300	EVH008	210
9,52	10	3/8"	10,10	1/8"	6		EVD010	364	EVF010	266	EVH010	172
12,70	12	1/2"					EVD012	316	EVF012N	240	EVH012	162
	14		13,60	1/4"	8							
							EVD015	266	EVF015	192	EVH015	136
15,87	16	5/8"				16						
	18		17,20	3/8"	10		EVD018	220	EVF018N	168	EVH018	118
19,05		3/4"				20	EVD020	180	EVF020N	152	EVH020N	100
22,22	22	7/8"	21,30	1/2"	15		EVD022	180	EVF022	136	EVH022N	100
25,40		1"				25	EVD025	152	EVF025N	120	EVH025	80
			26,90	3/4"	20							
28,57	28	1-1/8"					EVD028	130	EVF028N	100	EVH028N	80
							EVD030	112	EVF030	92	EVH030	72
						32			EVF032N	80	EVH032	58
34,92	35	1-3/8"	33,70	1"	25		EVD035	100	EVF035N	80	EVH035	58
									EVF038	66	EVH038	50
						40			EVF040	60	EVH040	48
41,27	42	1-5/8"	42,40	1-1/4"	32		EVD042	90	EVF042N	64	EVH042	48
									EVF045	56	EVH045N	48
			48,30	1-1/2"	40				EVF048N	56	EVH048N	48
						50			EVF050N	54	EVH050N	48
53,97	54	2"							EVF054N	54	EVH054N	40
									EVF057N	48	EVH057N	36
			60,30	2"	50				EVF060N	48	EVH060N	36
	64					63			EVF064	46	EVH064N	36
	67										EVH067N	32
	70								EVF070	40	EVH070N	32
	76,10		76,10	2-1/2"	65	75			EVF076	40	EVH076N	32
	80								EVF080	36	EVH080N	28
	88,90		88,90	3"	80	90			EVF089	36	EVH089N	28
			101,3/104,3	3-1/2"					EVF102	22	EVH102N	20
	108	4-1/4"							EVF108	22	EVH108N	20
	114	4-1/2"	114,30	4"	100	110			EVF114	22	EVH114N	20
						125					EVH125N	16
	133								EVF133	16	EVH133N	16
			139,70	5"	125	140			EVF140	16	EVH140N	14
	159	6-1/4"	159			160					EVH160N	14

IT-FLEX C1

INSULATION TUBES - LENGTH 2 m



IT-FLEX C1

INSULATION TUBES - LENGTH 2 m



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness M 19 mm		Thickness P 25 mm		Thickness T 32 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box	Code	m/box
6,35	6	1/4"					EVM006	98	EVP006	60		
7,93	8	5/16"										
9,52	10	3/8"	10,10	1/8"	6		EVM010	98	EVP010N	52	EVT010N	40
12,70	12	1/2"					EVM012	88	EVP012N	52	EVT012N	38
	14		13,60	1/4"	8		EVM015N	80	EVP015N	52	EVT015N	36
15,87	16	5/8"				16						
	18		17,20	3/8"	10		EVM018	72	EVP018	50	EVT018	32
19,05		3/4"				20	EVM020N	70	EVP020	42		
22,22	22	7/8"	21,30	1/2"	15		EVM022	64	EVP022	42	EVT022	32
25,40		1"				25	EVM025N	60	EVP025	40	EVT025	24
			26,90	3/4"	20							
28,57	28	1-1/8"					EVM028N	52	EVP028	40	EVT028	24
							EVM030	42				
						32	EVM032N	40	EVP032N	32	EVT032	22
34,92	35	1-3/8"	33,70	1"	25		EVM035N	40	EVP035N	32	EVT035	22
							EVM038	32				
						40	EVM040	32	EVP040N	28	EVT040N	18
41,27	42	1-5/8"	42,40	1-1/4"	32		EVM042	32	EVP042N	28	EVT042N	18
							EVM045N	32				
			48,30	1-1/2"	40		EVM048N	32	EVP048N	22	EVT048N	18
						50	EVM050N	30	EVP050	18	EVT050N	16
53,97	54	2"					EVM054N	30	EVP054N	18	EVT054N	16
							EVM057N	24				
			60,30	2"	50		EVM060N	24	EVP060N	18	EVT060N	14
	64					63	EVM064N	24	EVP064N	18	EVT064N	14
	70						EVM070N	20	EVP070N	16	EVT070N	12
	76,10		76,10	2-1/2"	65	75	EVM076N	20	EVP076N	16	EVT076N	12
	80						EVM080N	18	EVP080N	14	EVT080N	10
	88,90		88,90	3"	80	90	EVM089N	18	EVP089N	14	EVT089N	10
			101,3/104,3	3-1/2"			EVM102N	16	EVP102N	10	EVT102N	10
	108	4-1/4"					EVM108N	16	EVP108N	10	EVT108N	8
	110						EVM110N	16				
	114	4-1/2"	114,30	4"	100	110	EVM114N	14	EVP114N	10	EVT114N	8
						125	EVM125N	12	EVP125N	10	EVT125N	6
	133						EVM133N	12	EVP133N	8	EVT133N	6
			139,70	5"	125	140	EVM140N	10	EVP140N	8	EVT140N	6
	159	6-1/4"	159			160	EVM160	8	EVP160N	6	EVT160N	6
			168,30	6"	150		EVM170N	8	EVP170N	6	EVT170N	6

IT-FLEX C1

COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness U 40 mm		Thickness V 50 mm		Thickness Z 60 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box	Code	m/box
	18						EVU018	24**				
22,22	22	7/8"	21,30	1/2"	15		EVU022	22	EVV022	10**		
28,57	28	1-1/8"					EVU028	20	EVV028	8		
34,92	35	1-3/8"	33,70	1"	25		EVU035	18	EVV035	8		
41,27	42	1-5/8"	42,40	1-1/4"	32		EVU042	16	EVV042	8		
			48,30	1-1/2"	40		EVU048	12	EVV048	8		
53,97	54	2"					EVU054	10	EVV054	8		
	57						EVU057	10				
	60		60,30	2"	50		EVU060	10	EVV060	8		
	64					63	EVU064	10	EVV064	6		
	76,10		76,10	2-1/2"	65	75	EVU076	8	EVV076	6		
	88,90		88,90	3"	80	90	EVU089	8	EVV089	4		
							EVU108	8**	EVV108	4**	EVZ108	4**
	114	4-1/2"	114,30	4"	100	110	EVU114	8	EVV114	4**	EVZ114	4
						125	EVU125N	6	EVV125	4**		
			139,70	5"	125	140	EVU140N	6	EVV140	4**	EVZ140	2**
	159	6-1/4"	159			160	EVU160	6	EVV160	4**		
			168,3	6"	150		EVU170	6	EVV170	4**		

** Available on request.
Please contact our sales office.

■ Packaging dimensions: 209 x 40 x 33 cm.
Packaging volume = 0,27 m³

IT-FLEX C1

INSULATION TUBES - LENGTH 2 m



IT-FLEX C1

PRE-CUT TUBES AD2-OG



INSULATION TUBES, LENGTH 2 m, WITH SELF-ADHESIVE LONGITUDINAL STRIP AD2 AND RUBBER OVERLAP (AD2-OG)

Thickness 9 mm		Thickness 13 mm		Thickness 19 mm	
Code	m/box	Code	m/box	Code	m/box
EVPRO2GF010	266				
EVPRO2GF012N	240	EVPRO2GH012	162	EVPRO2GM012	88
EVPRO2GF015	192	EVPRO2GH015	136	EVPRO2GM015N	80
EVPRO2GF018N	168	EVPRO2GH018	118	EVPRO2GM018	72
EVPRO2GF020N	152	EVPRO2GH020N	100	EVPRO2GM020N	70
EVPRO2GF022	136	EVPRO2GH022N	100	EVPRO2GM022	64
EVPRO2GF025N	120	EVPRO2GH025	80	EVPRO2GM025N	60
EVPRO2GF028N	100	EVPRO2GH028N	80	EVPRO2GM028N	52
EVPRO2GF030	92	EVPRO2GH030	72	EVPRO2GM030	42
EVPRO2GF032N	80	EVPRO2GH032	58	EVPRO2GM032N	40
EVPRO2GF035N	80	EVPRO2GH035	58	EVPRO2GM035N	40
EVPRO2GF038	66	EVPRO2GH038	50	EVPRO2GM038	32
		EVPRO2GH040	48	EVPRO2GM040	32
EVPRO2GF042N	64	EVPRO2GH042	48	EVPRO2GM042	32
EVPRO2GF045	56	EVPRO2GH045N	48	EVPRO2GM045N	32
EVPRO2GF048N	56	EVPRO2GH048N	48	EVPRO2GM048N	32
		EVPRO2GH050N	48	EVPRO2GM050N	30
EVPRO2GF054N	54	EVPRO2GH054N	40	EVPRO2GM054N	30
EVPRO2GF057N	48	EVPRO2GH057N	36	EVPRO2GM057N	24
EVPRO2GF060N	48	EVPRO2GH060N	36	EVPRO2GM060N	24
EVPRO2GF064	46	EVPRO2GH064N	36	EVPRO2GM064N	24
EVPRO2GF070	40	EVPRO2GH070N	32	EVPRO2GM070N	20
EVPRO2GF076	40	EVPRO2GH076N	32	EVPRO2GM076N	20
EVPRO2GF080	36	EVPRO2GH080N	28	EVPRO2GM080N	18
EVPRO2GF089	36	EVPRO2GH089N	28	EVPRO2GM089N	18
EVPRO2GF102	22	EVPRO2GH102N	20	EVPRO2GM102N	16
EVPRO2GF108	22	EVPRO2GH108N	20	EVPRO2GM108N	16
EVPRO2GF114	22	EVPRO2GH114N	20	EVPRO2GM114N	14
		EVPRO2GH125N	16	EVPRO2GM125N	12
		EVPRO2GH133N	16	EVPRO2GM133N	12
EVPRO2GF140	16	EVPRO2GH140N	14	EVPRO2GM140N	10
		EVPRO2GH160N	14	EVPRO2GM160	8
				EVPRO2GM170N	8

Packaging dimensions: 209 x 40 x 33 cm.
Packaging volume = 0,27 m³

PRE-CUT TUBES AD2-OG

IT-FLEX C1

PRE-CUT TUBES AD2-OG



INSULATION TUBES, LENGTH 2 m, WITH SELF-ADHESIVE LONGITUDINAL STRIP AD2 AND RUBBER OVERLAP (AD2-OG)

Thickness 25 mm		Thickness 32 mm	
Code	m/box	Code	m/box
EVPRO2GP018	50	EVPRO2GT018	32
EVPRO2GP022	42	EVPRO2GT022	32
EVPRO2GP028	40	EVPRO2GT028	24
EVPRO2GP035N	32	EVPRO2GT035	22
EVPRO2GP042N	28	EVPRO2GT042N	18
EVPRO2GP048N	22	EVPRO2GT048N	18
EVPRO2GP054N	18	EVPRO2GT054N	16
EVPRO2GP060N	18	EVPRO2GT060N	14
EVPRO2GP064N	18	EVPRO2GT064N	14
EVPRO2GP070N	16	EVPRO2GT070N	12
EVPRO2GP076N	16	EVPRO2GT076N	12
		EVPRO2GT080N	10
EVPRO2GP089N	14	EVPRO2GT089N	10
EVPRO2GP102N	10	EVPRO2GT102N	10
EVPRO2GP108N	10		
EVPRO2GP114N	10	EVPRO2GT114N	8
EVPRO2GP140N	8	EVPRO2GT140N	6
EVPRO2GP160N	6	EVPRO2GT160N	6
EVPRO2GP170N	6	EVPRO2GT170N	6

■ Packaging dimensions: 209 x 40 x 33 cm.
■ Packaging volume = 0,27 m³

IT-FLEX C1

PRE-CUT TUBES AD2



INSULATION TUBES, LENGTH 2 m,
WITH A SELF-ADHESIVE LONGITUDINAL STRIP

Thickness 9 mm		Thickness 13 mm		Thickness 19 mm	
Code	m/box	Code	m/box	Code	m/box
EVPR2F010	266			EVPR2M010	98
EVPR2F012N	240	EVPR2H012	162	EVPR2M012	88
EVPR2F015	192	EVPR2H015	136	EVPR2M015N	80
EVPR2F018N	168	EVPR2H018	118	EVPR2M018	72
EVPR2F020N	152	EVPR2H020N	100	EVPR2M020N	70
EVPR2F022	136	EVPR2H022N	100	EVPR2M022	64
EVPR2F025N	120	EVPR2H025	80	EVPR2M025N	60
EVPR2F028N	100	EVPR2H028N	80	EVPR2M028N	52
EVPR2F030	92	EVPR2H030	72	EVPR2M030	42
EVPR2F032N	80	EVPR2H032	58	EVPR2M032N	40
EVPR2F035N	80	EVPR2H035	58	EVPR2M035N	40
EVPR2F038	66	EVPR2H038	50	EVPR2M038	32
		EVPR2H040	48	EVPR2M040	32
EVPR2F042N	64	EVPR2H042	48	EVPR2M042	32
EVPR2F045	56	EVPR2H045N	48	EVPR2M045N	32
EVPR2F048N	56	EVPR2H048N	48	EVPR2M048N	32
		EVPR2H050N	48	EVPR2M050N	30
EVPR2F054N	54	EVPR2H054N	40	EVPR2M054N	30
EVPR2F057N	48	EVPR2H057N	36	EVPR2M057N	24
EVPR2F060N	48	EVPR2H060N	36	EVPR2M060N	24
EVPR2F064	46	EVPR2H064N	36	EVPR2M064N	24
EVPR2F070	40	EVPR2H070N	32	EVPR2M070N	20
EVPR2F076	40	EVPR2H076N	32	EVPR2M076N	20
EVPR2F080	36	EVPR2H080N	28	EVPR2M080N	18
EVPR2F089	36	EVPR2H089N	28	EVPR2M089N	18
EVPR2F102	22	EVPR2H102N	20	EVPR2M102N	16
EVPR2F108	22	EVPR2H108N	20	EVPR2M108N	16
EVPR2F114	22	EVPR2H114N	20	EVPR2M114N	14
		EVPR2H125N	16	EVPR2M125N	12
		EVPR2H133N	16	EVPR2M133N	12
EVPR2F140	16	EVPR2H140N	14	EVPR2M140N	10
		EVPR2H160N	14	EVPR2M160	8
				EVPR2M170N	8

PRE-CUT TUBES AD2

IT-FLEX C1

PRE-CUT TUBES AD2



INSULATION TUBES, LENGTH 2 m,
WITH A SELF-ADHESIVE LONGITUDINAL STRIP

Thickness 25 mm		Thickness 32 mm	
Code	m/box	Code	m/box
EVPR2P018	50	EVPR2T018	32
EVPR2P022	42	EVPR2T022	32
EVPR2P028	40	EVPR2T028	24
EVPR2P035N	32	EVPR2T035	22
EVPR2P042N	28	EVPR2T042N	18
EVPR2P048N	22	EVPR2T048N	18
EVPR2P054N	18	EVPR2T054N	16
EVPR2P060N	18	EVPR2T060N	14
EVPR2P064N	18	EVPR2T064N	14
EVPR2P070N	16	EVPR2T070N	12
EVPR2P076N	16	EVPR2T076N	12
		EVPR2T080N	10
EVPR2P089N	14	EVPR2T089N	10
EVPR2P102N	10	EVPR2T102N	10
EVPR2P108N	10		
EVPR2P114N	10	EVPR2T114N	8
EVPR2P140N	8	EVPR2T140N	6
EVPR2P160N	6	EVPR2T160N	6
EVPR2P170N	6	EVPR2T170N	6

PRE-CUT TUBES AD2

■ Packaging dimensions: 209 x 40 x 33 cm.
■ Packaging volume = 0,27 m³

IT-FLEX C1 - COLD COIL

CONTINUOUS TUBES IN ROLLS

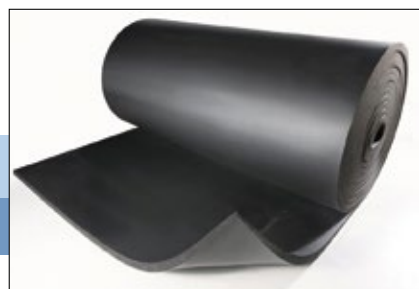


Diameter mm	Thickness (D) 6 mm Code	m/box	Thickness (F) 9 mm Code	m/box	Thickness (H) 13 mm Code	m/box
6	EV7D06COIL95	95	EV7F06COIL70	70		
8	EV7D08COIL80	80	EV7F08COIL60	60	EV7H08COIL40	40
10	EV7D10COIL75	75	EV7F10COIL50	50	EV7H10COIL35	35
12	EV7D12COIL65	65	EV7F12COIL45	45	EV7H12COIL32	32
16	EV7D16COIL55	55	EV7F16COIL40	40	EV7H16COIL32	32
18	EV7D18COIL45	45	EV7F18COIL38	38	EV7H18COIL30	30
22	EV7D22COIL40	40	EV7F22COIL30	30	EV7H22COIL26	26
28	EV7D28COIL30	30	EV7F28COIL26	26	EV7H28COIL20	20

■ Packaging dimensions: 60 x 60 x 21 cm.
 Packaging volume = 0,07 m³

IT-FLEX C1

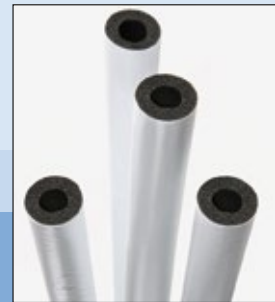
*SHEETS IN ROLLS - H 1 m



Thickness (mm)	Roll (m ² /ct)	1 x 2 m panels (m ² /ct)	Sheets	
			NON-ADHESIVE Code	SELF-ADHESIVE Code
6	30	48	EVBL06	EVBLA06
10	20	32	EVBL10	EVBLA10
13	14	24	EVBL13	EVBLA13
16	12	20	EVBL16	EVBLA16
19	10	16	EVBL19	EVBLA19
25	8	12	EVBL25	EVBLA25
32	6	10	EVBL32	EVBLA32
40	4	8	EVBL40	EVBLA40
50	4	6	EVBL50	EVBLA50
60	3	4	EVBL60	EVBLA60

* For sheets of 1,5 m in height, please contact our sales dept.

■ Packaging dimensions: 108 x 54 x 54 cm.
 Packaging volume = 0,31 m³



IT-FLEX C1 R

INSULATION TUBES - LENGTH 2 m - WITH EXTERNAL SCRATCH RESISTANT/UV RESISTANT WHITE PE COATING

COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness F 9 mm		Thickness H 13 mm		Thickness M 19 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box	Code	m/box
6,35	6	1/4"										
7,93	8	5/16"										
9,52	10	3/8"	10,10	1/8"	6							
12,70	12	1/2"							EV9H12R	120	EV9M12R	70
	14		13,60	1/4"	8							
15,87	16	5/8"				16	EV9F16R	140	EV9H16R	100	EV9M16R	50
	18		17,20	3/8"	10		EV9F18R	130	EV9H18R	90	EV9M18R	50
19,05		3/4"				20						
22,22	22	7/8"	21,30	1/2"	15		EV9F22R	100	EV9H22R	70	EV9M22R	44
25,40		1"				25						
			26,90	3/4"	20							
28,57	28	1-1/8"					EV9F28R	80	EV9H28R	60	EV9M28R	40
						32						
34,92	35	1-3/8"	33,70	1"	25		EV9F35R	60	EV9H35R	44	EV9M35R	30
						40						
41,27	42	1-5/8"	42,40	1-1/4"	32		EV9F42R	50	EV9H42R	36	EV9M42R	24
	48		48,30	1-1/2"	40						EV9M48R	22

Different sizes available on request.

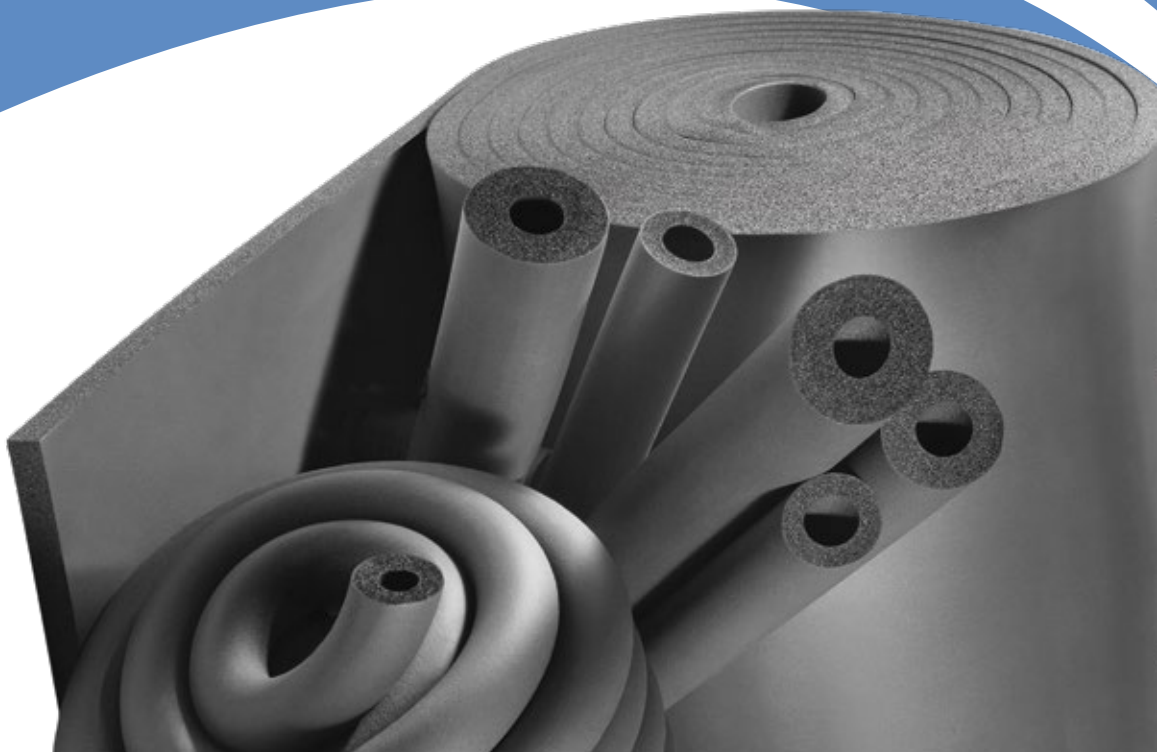
■ Packaging dimensions: 209 x 40 x 33 cm.
■ Packaging volume = 0,27 m³

IT-FLEX C1 R

WHITE PVC JOINT-SEALING TAPE

Code	m/roll	Roll width mm	pieces/box
EV8NASTRNCB25	25	38	60

IT-FLEX AT



Closed-cell microcellular structure



Excellent insulation performance



High temperature resistance



Excellent UV resistance



λ at 40 °C \leq 0,042 W/m·K



Service temperature: +150 °C

IT-FLEX AT

BIM
BUILDING
INFORMATION
MODELING

EVOCELL
&MOBIUS

IT-FLEX AT - ATR - AT Coil

Technical data sheet

MATERIAL

Closed-cell flexible elastomeric foam (FEF).

PRODUCT RANGE

Self-adhesive and standard tubes in bars and in continuous rolls with diameters from 10 to 114 mm and thickness from 9 to 32 mm. Self-adhesive and standard sheets in panels and rolls, with thicknesses from 6 to 32 mm.

Self-adhesive tapes with a thickness of 3 mm.

PRODUCT SPECIFICATION

Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT APPLICATION

Thermal insulation of heating, air conditioning systems and industrial applications functioning with high temperatures fluids***. Also suitable for external applications (AT R version).

ECOLOGICAL INFORMATION

Flexible and expanded CFC, HCFC and PVC-free rubber foam. Does not contain or release dust or fibres.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 150 °C* (+ 130 °C for sheets glued to the entire surface with CNX AT 1) - 50 °C* (- 196 °C**)	EN 14706 - 14707
THERMAL CONDUCTIVITY λ	At mean temp. of +40 °C ≤ 0,042 W/m·K	EN ISO 8497 - EN 12667
REACTION TO FIRE SWISS	EUROCLASS { SHEETS AND TAPES - E TUBES - E _L RF3 (CR)	EN 13501 - 1 AEAI - VKF
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	
WATER ABSORPTION	< 0.1 kg/m ²	EN 1609 - EN 13472

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING (VERSIONE IT-FLEX AT R):

TYPE	SCRATCH RESISTANT/UV RESISTANT PE FILM	
COLOUR	BLACK RAL 9005	
WATER VAPOUR DIFFUSION FACTOR μ	≥ 10000	EN ISO 12086
UV RESISTANCE	EXCELLENT	UNI ISO 4892 - 2

NB: For applications at lower or higher temperatures, please consult our Technical Department.

*For adhesive tapes and sheets: Max. operating temperature 90 °C.

** For applications in cryogenic systems, LNG or similar, please consult our Technical Department.

*** Please note that the insulation material is not designed to operate in direct contact with the transported fluid. For specific requirements, please contact our Technical Department.

The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

Storage of adhesive products: not exceeding one year.

All standards cited in this document are intended to be updated to the latest released version.

It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation.

EVOCELL&MOBIUS reserves the right to modify the above data without prior notice.

01/26

COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness F 9 mm		Thickness H 13 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box
6,35	6	1/4"								
7,93	8	5/16"								
9,52	10	3/8"	10,10	1/8"	6					
12,70	12	1/2"								
	14		13,60	1/4"	8					
15,87	16	5/8"				16	EV5AT09X015	140	EV5AT13X015	100
	18		17,20	3/8"	10		EV5AT09X018	130	EV5AT13X018	90
19,05		3/4"				20				
22,22	22	7/8"	21,30	1/2"	15		EV5AT09X022	100	EV5AT13X022	70
25,40		1"				25				
			26,90	3/4"	20					
28,57	28	1-1/8"					EV5AT09X028	80	EV5AT13X028	60
						32				
34,92	35	1-3/8"	33,70	1"	25		EV5AT09X035	60	EV5AT13X035	44
						40				
41,27	42	1-5/8"	42,40	1-1/4"	32		EV5AT09X042	50	EV5AT13X042	36
			48,30	1-1/2"	40		EV5AT09X048	36	EV5AT13X048	30
						50				
53,97	54	2"					EV5AT09X054	36	EV5AT13X054	26
			60,30	2"	50		EV5AT09X060	32	EV5AT13X060	24
	64					63	EV5AT09X064	32	EV5AT13X064	22
							EV5AT09X067	32	EV5AT13X067	22
	70						EV5AT09X070	30	EV5AT13X070	20
	76,10		76,10	2-1/2"	65	75	EV5AT09X076	28	EV5AT13X076	16
	80									
	88,90		88,90	3"	80	90	EV5AT09X089	22	EV5AT13X089	16
		4-1/4"	101,3/104,3	3-1/2"						
	108	4-1/2"								
	114		114,30	4"	100	110	EV5AT09X114	18		

IT-FLEX AT

INSULATION TUBES - LENGTH 2 m



IT-FLEX AT

INSULATION TUBES - LENGTH 2 m



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness M 19 mm		Thickness P 25 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box
6,35	6	1/4"								
7,93	8	5/16"								
9,52	10	3/8"	10,10	1/8"	6					
12,70	12	1/2"								
	14		13,60	1/4"	8					
15,87	16	5/8"				16	EV5AT19X015	60		
	18		17,20	3/8"	10		EV5AT19X018	60	EV5AT25X018	30
19,05		3/4"				20				
22,22	22	7/8"	21,30	1/2"	15		EV5AT19X022	44	EV5AT25X022	26
25,40		1"				25				
			26,90	3/4"	20					
28,57	28	1-1/8"					EV5AT19X028	40	EV5AT25X028	24
						32				
34,92	35	1-3/8"	33,70	1"	25		EV5AT19X035	30	EV5AT25X035	18
						40				
41,27	42	1-5/8"	42,40	1-1/4"	32		EV5AT19X042	24	EV5AT25X042	16
			48,30	1-1/2"	40		EV5AT19X048	22	EV5AT25X048	14
						50				
53,97	54	2"					EV5AT19X054	18	EV5AT25X054	12
			60,30	2"	50		EV5AT19X060	18	EV5AT25X060	12
	64					63				
	70									
	76,10		76,10	2-1/2"	65	75	EV5AT19X076	14	EV5AT25X076	8
	80									
	88,90		88,90	3"	80	90	EV5AT19X089	12	EV5AT25X089	8

* For different dimensions and thicknesses please consult our sales dept.

Packaging dimensions: 209 x 40 x 33 cm.
Packaging volume = 0,27 m³

IT-FLEX AT

*SHEETS IN ROLLS H 1 m

Code	Thickness (mm)	m/box
EVBL06AT	6	30
EVBL10AT	10	20
EVBL13AT	13	14
EVBL19AT	19	10
EVBL25AT	25	8
EVBL32AT	32	6



The SYSTEM COVER finishing is also available for sheets and tubes.

- Packaging dimensions: 108 x 54 x 54 cm.
 Packaging volume = 0,31 m³

IT-FLEX AT - COIL

INSULATION TUBES IN CONTINUOUS ROLLS

Diameter mm	Thickness 13 mm Code	m/box	Thickness 19 mm Code	m/box
15	EV5ATCOIL1315	30	EV5ATCOIL1915	25
18	EV5ATCOIL1318	30	EV5ATCOIL1918	25
22	EV5ATCOIL1322	30	EV5ATCOIL1922	25
28	EV5ATCOIL1328	25	EV5ATCOIL1928	20



- Packaging dimensions: 50 x 60 x 60 cm.
 Packaging volume = 0,18 m³

ACCESSORIES

IT-FLEX

SELF-ADHESIVE ELASTOMERIC TAPES

Thickness 3 mm

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTRON315AT	15	50	12

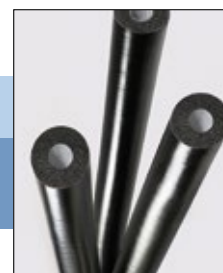
IT-FLEX

NEOPRENE ADHESIVE

Code	Description	Packaging content (pcs.)
EV8AB425AT	425 g tin	24

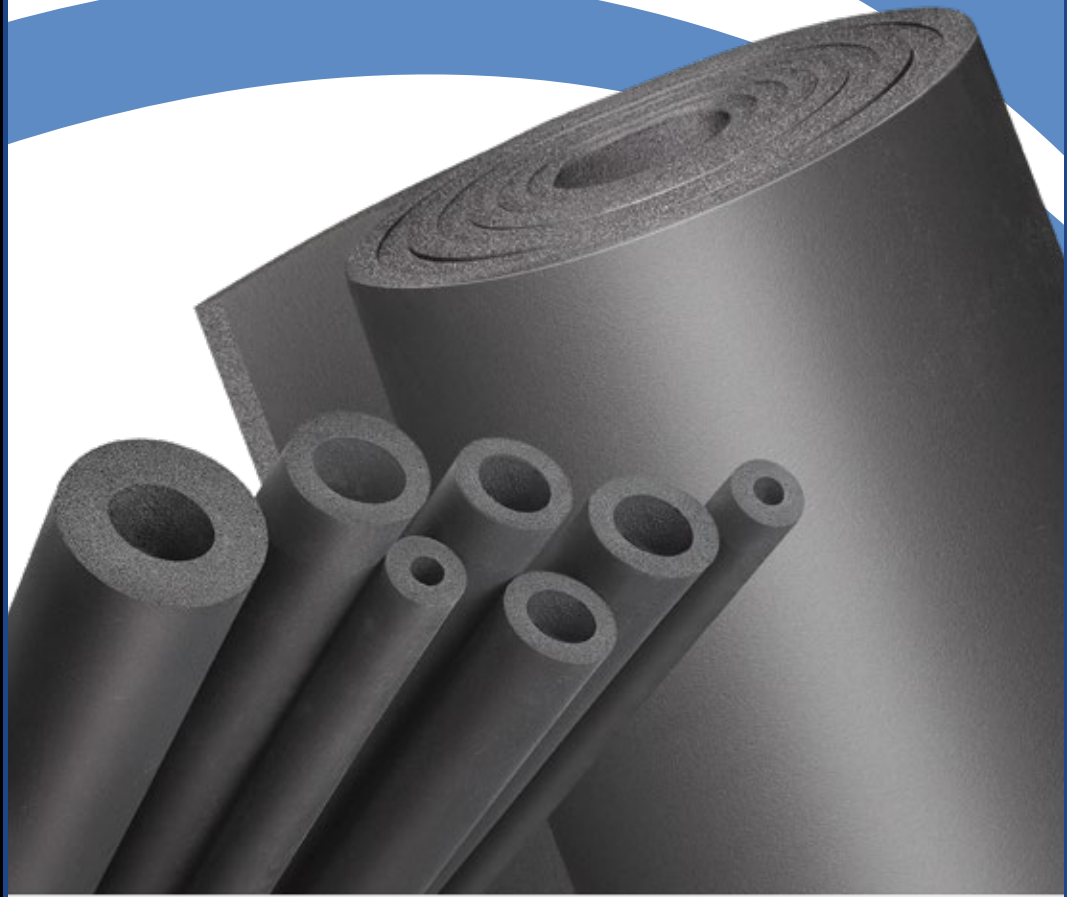
IT-FLEX AT R

INSULATION TUBES - LENGTH 2 m - WITH EXTERNAL SCRATCH RESISTANT/UV RESISTANT BLACK PE COATING



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness H 13 mm		Thickness M 19 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box
6,35	6	1/4"								
7,93	8	5/16"								
9,52	10	3/8"	10,10	1/8"	6					
12,70	12	1/2"								
	14		13,60	1/4"	8					
15,87	16	5/8"				16	EV5ATR13X15	100	EV5ATR19X15	60
	18		17,20	3/8"	10		EV5ATR13X18	90	EV5ATR19X18	60
19,05		3/4"				20				
22,22	22	7/8"	21,30	1/2"	15					
							EV5ATR13X24	70	EV5ATR19X24	44
25,40		1"				25				
			26,90	3/4"	20					
28,57	28	1-1/8"								
							EV5ATR13X29	60	EV5ATR19X29	40
						32	EV5ATR13X33	44	EV5ATR19X33	30
35			33,70	1"			EV5ATR13X35	44	EV5ATR19X35	30
							EV5ATR13X42	36	EV5ATR19X42	24
							EV5ATR13X48	30	EV5ATR19X48	22
							EV5ATR13X54	26	EV5ATR19X54	20

IT-FLEX HF HALOGEN FREE



- Excellent insulation performance
- Closed-cell microcellular structure
- Halogen free (chlorine, bromine, fluorine) and PVC free
- Low emission and low smoke toxicity in the event of fire
- IMO certified. MED Directive 96/98/CE
- λ at 0 °C \leq 0,039 W/m•K - λ at 40 °C \leq 0,043 W/m•K
- $\mu \geq$ 2000

HALOGEN FREE



UL[®]
UL 104083009-E255221



IT-FLEX HF "HALOGEN FREE"

Technical data sheet

MATERIAL

Black closed-cell flexible elastomeric foam (FEF).

PRODUCT SPECIFICATION

Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT RANGE

Non-adhesive and adhesive tubes in lengths, in diameters from 10 to 114 mm and thicknesses from 13 to 32 mm.
Sheets in rolls in thicknesses from 6 to 32 mm.
Adhesive tapes with a thickness of 3 mm.

PRODUCT APPLICATION

Thermal insulation of refrigeration, heating and air-conditioning services in commercial, industrial and domestic applications**. Especially suitable for naval, rail and civil applications where low emission and low smoke toxicity material is required in the event of fire.

MAIN CHARACTERISTICS

Flexible and expanded CFC, HCFC and PVC-free rubber foam.
It is dust and fibre free and does not contain halogens.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 130 °C* - 50 °C	EN 14706 - 14707
THERMAL CONDUCTIVITY λ	At mean temp. of 0 °C ≤ 0,039 W/m·K At mean temp. of 40 °C ≤ 0,043 W/m·K	EN ISO 8497 - EN 12667
WATER VAPOUR DIFFUSION FACTOR μ	≥ 2000	EN 13469 - EN 12086
REACTION TO FIRE USA, CANADA SWISS	EUROCLASS { Tubes thk. 6-32 mm - DL-s1,d0 Sheets thk. 6-25 mm and tapes - D-s2,d0 Sheets thk. 32 mm - E UL Approved Flame Class HF 1 SHEETS (25 mm) RF3- TUBES RF3	EN - 13501 - 1 UL94, AEAI-VKF
RAILWAYS	HL 1/R1 (Low emission, low toxicity in the event of fire)	EN - 45545
SHIPYARDS (MED) Lloyds Register	Meets requirements	Directive 2014/90/EU (MED). IMO RES.HSC.307(88)
CORROSION RISK	Meets test requirements	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

*For adhesive tapes and sheets: max. operating temperature 90 °C.
For specific requirements, please contact our Technical Department.
Storage of adhesive products: not exceeding one year.

All standards cited in this document are intended to be updated to the latest released version. The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

**Please note that Evocell&Mobius insulation material is not designed to operate in direct contact with the transported fluid.

Also available with a mineral fiber fabric facing and black aluminum foil covering.

External applications: HF elastomer must be protected during installation (IT FLEX TCA or VEC polymeric coating).

It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation.

EVOCELL&MOBIUS reserves the right to modify the above data without prior notice.

01/26



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness H 13 mm		Thickness M 19 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box
6,35	6	1/4"								
7,93	8	5/16"								
9,52	10	3/8"	10,10	1/8"	6		EV10HF13x10	172	EV10HF19x10	98
12,70	12	1/2"					EV10HF13x12	162		
	14		13,60	1/4"	8		EV10HF13x15	136	EV10HF19x15	78
15,87	16	5/8"				16				
	18		17,20	3/8"	10		EV10HF13x18	118	EV10HF19x18	72
19,05		3/4"				20				
22,22	22	7/8"	21,30	1/2"	15		EV10HF13x22	98	EV10HF19x22	64
25,40		1"				25				
			26,90	3/4"	20					
28,57	28	1-1/8"					EV10HF13x28	78	EV10HF19x28	48
						32				
34,92	35	1-3/8"	33,70	1"	25		EV10HF13x35	58	EV10HF19x35	40
						40				
41,27	42	1-5/8"	42,40	1-1/4"	32		EV10HF13x42	48	EV10HF19x42	40
			48,30	1-1/2"	40		EV10HF13x48	40	EV10HF19x48	32
						50				
53,97	54	2"					EV10HF13x54	34	EV10HF19x54	32
			60,30	2"	50		EV10HF13x60	32	EV10HF19x60	28
	64					63			EV10HF19x64	24
			76,10	2-1/2"			EV10HF13x76	26	EV10HF19x76	20
	76,10				65	75				
	80		88,90	3"			EV10HF13x89	24	EV10HF19x89	16
	88,90		101,3/104,3	3-1/2"	80	90				
	108	4-1/4"					EV10HF13x108	16	EV10HF19x108	16
	114	4-1/2"	114,30	4"	100	110			EV10HF19x114	12

Packaging dimensions: 209 x 40 x 33 cm.
Packaging volume = 0,27 m³

IT-FLEX HF "HALOGEN FREE" INSULATION TUBES - LENGTH 2 m



IT-FLEX HF “HALOGEN FREE”

INSULATION TUBES - LENGTH 2 m

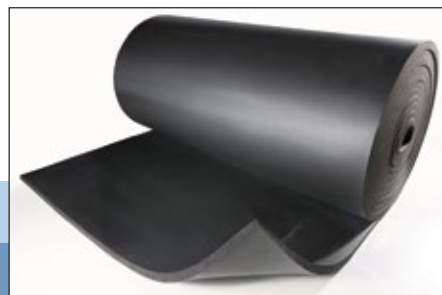


COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness P 25 mm		Thickness T 32 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box
6,35	6	1/4"								
7,93	8	5/16"								
9,52	10	3/8"	10,10	1/8"	6					
12,70	12	1/2"								
	14		13,60	1/4"	8					
15,87	16	5/8"				16				
	18		17,20	3/8"	10		EV10HF25x18	50	EV10HF32x18	32
19,05		3/4"				20				
22,22	22	7/8"	21,30	1/2"	15		EV10HF25x22	42	EV10HF32x22	32
25,40		1"				25				
			26,90	3/4"	20					
28,57	28	1-1/8"					EV10HF25x28	40	EV10HF32x28	24
						32				
34,92	35	1-3/8"	33,70	1"	25		EV10HF25x35	32	EV10HF32x35	24
						40				
41,27	42	1-5/8"	42,40	1-1/4"	32		EV10HF25x42	26	EV10HF32x42	18
			48,30	1-1/2"	40		EV10HF25x48	22	EV10HF32x48	18
						50				
53,97	54	2"					EV10HF25x54	22	EV10HF32x54	14
			60,30	2"	50		EV10HF25x60	18	EV10HF32x60	14
	64					63	EV10HF25x64	12		
	70		76,10	2-1/2"			EV10HF25x76	16	EV10HF32x76	10
	76,10				65	75				
	80		88,90	3"			EV10HF25x89	12	EV10HF32x89	10
	88,90		101,3/104,3	3-1/2"	80	90			EV10HF32x102	8
	108	4-1/4"								
	114	4-1/2"	114,30	4"	100	110	EV10HF25x114	10	EV10HF32x114	8
	133									
			139,70	5"	125	140			EV10HF32x140	6

HALOGEN FREE

IT-FLEX HF "HALOGEN FREE"

SHEETS IN ROLLS H 1 m



SHEETS

Code	Thickness (mm)	Roll (m ² /ct)
EV10HFBL06	6	15
EV10HFBL10	10	10
EV10HFBL13	13	8
EV10HFBL19	19	6
EV10HFBL25	25	4
EV10HFBL32	32	3

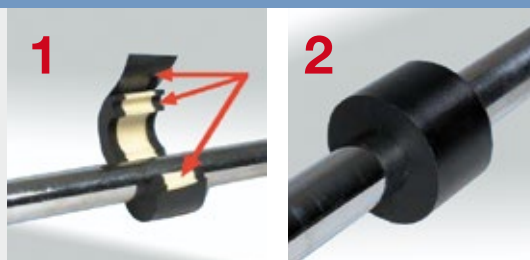
Packaging dimensions: 105 x 40,5 x 41 cm
Packaging volume = 0,17 m³

IT-FLEX HF "HALOGEN FREE"

PIPING SUPPORTS

Mounting instructions:

- 1 - Mount the support on the piping and glue the surfaces with 850 gr. adhesive.
- 2 - Close and seal the support.



ø piping (mm)	Thickness 13 mm	Thickness 19 mm	Thickness 25 mm	Thickness 32 mm
	Code	Code	Code	Code
18	EV10HFSU13018	EV10HFSU19018		
22	EV10HFSU13022	EV10HFSU19022	EV10HFSU25022	EV10HFSU32022
28	EV10HFSU13028	EV10HFSU19028	EV10HFSU25028	EV10HFSU32028
35	EV10HFSU13035	EV10HFSU19035	EV10HFSU25035	EV10HFSU32035
42	EV10HFSU13042	EV10HFSU19042	EV10HFSU25042	EV10HFSU32042
48	EV10HFSU13048	EV10HFSU19048	EV10HFSU25048	EV10HFSU32048
54	EV10HFSU13054	EV10HFSU19054	EV10HFSU25054	EV10HFSU32054
60	EV10HFSU13060	EV10HFSU19060	EV10HFSU25060	EV10HFSU32060
76	EV10HFSU13076	EV10HFSU19076	EV10HFSU25076	EV10HFSU32076
89	EV10HFSU13089	EV10HFSU19089	EV10HFSU25089	EV10HFSU32089
114		EV10HFSU19114	EV10HFSU25114	EV10HFSU32114

*Also available with an aluminium covering for shipyard applications.

IT-FLEX HF “HALOGEN FREE”

ADHESIVE ELASTOMERIC TAPES



Thickness 3 mm

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV10HFN315	15	50	12

IT-FLEX

NEOPRENE ADHESIVE, DETERGENTS, PAINT



Code	Description	Packaging content (pcs.)
EV8AB850	850 g tin	12
EV8AB425	425 g tin	24
EV8DETERGENTE	1 l can	12
EV8ACVEG-G	Grey elastomeric paint 0,75 l	loose
EV8ACVEG-B	White elastomeric paint 0,75 l	loose

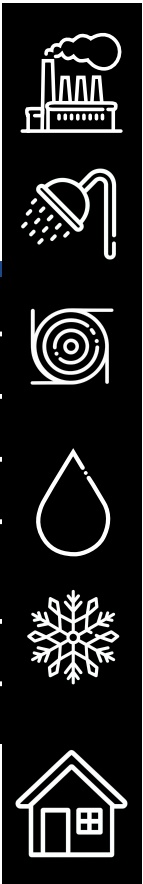
HALOGEN FREE

IT-FLEX C1 SA “DUCT” ADHESIVE

IT-FLEX TRIPLEX “DUCT” ADHESIVE



- Excellent insulation performance
- Closed-cell microcellular structure
- High water vapour diffusion resistance
- Ensures safety in the event of fire
- Improves installation time on ductwork and relative components
- λ at 0 °C \leq 0,033 W/m•K
- $\mu \geq$ 7000/10000 TRIPLEX



IT-FLEX C1 - SA "DUCT" ADHESIVE IT-FLEX TRIPLEX "DUCT" ADHESIVE

Technical data sheet

MATERIAL

Closed-cell flexible elastomeric foam (FEF)

PRODUCT RANGE

Self-adhesive sheets in rolls with thicknesses from 6 to 30 mm.
Self-adhesive tapes with a thickness of 3 mm.
The Triplex version is manufactured with a multilayer protective film coating.

PRODUCT SPECIFICATION

Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT APPLICATION

Thermal insulation of ducts and components of air distribution systems also in external* environments. (Triplex version).

MAIN CHARACTERISTICS

Flexible and expanded CFC and HCFC-free rubber foam.
Does not contain dust or fibres.
Sheets in rolls h = 1500 mm. (DUCT version)

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 90 °C - 50 °C	EN 14706
THERMAL CONDUCTIVITY λ	TAPES AND SHEETS 3-32 mm At tm of 0 °C ≤ 0.033 W/m·K At tm of 40 °C ≤ 0.037 W/m·K IT-FLEX C1 SA SHEETS 40-60 mm At tm of 0 °C ≤ 0.034 W/m·K At tm of 40 °C ≤ 0.038 W/m·K \leq	EN 12667
WATER VAPOUR DIFFUSION FACTOR μ	IT-FLEX C1 SA SHEETS AND TAPES 3-25 mm IT-FLEX TRIPLEX "DUCT" 6-32 mm $\mu \geq 10,000$ IT-FLEX C1 SA 30-60 mm and IT-FLEX C1 SA "DUCT" $\mu \geq 7,000$	EN 12086
REACTION TO FIRE	EUROCLASS { B- s3,d0 (version SA and C1 SA "DUCT") B-s2,d0 (tape 3mm) E (IT-FLEX TRIPLEX "DUCT" version)	EN 13501 - 1
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING

TYPE	MULTILAYER FILM COMPOSITE (PET+ALU+PE)
COLOUR	ALUMINIUM
TOTAL THICKNESS	ca. 100 μ m
WEIGHT	125 g m ²

01/26

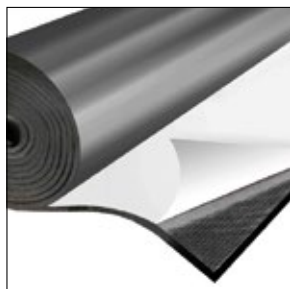
*Please note that EVOCELL&MOBIUS insulation material is not designed to operate in direct contact with the transported fluid. For specific requirements, please contact our Technical Department.

Storage of adhesive products: not exceeding one year.

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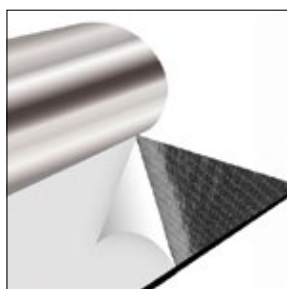
It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation.

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IT-FLEX C1 SA "DUCT"
SELF-ADHESIVE SHEETS
IN ROLLS h. 1500 mm

Code	Thickness (mm)	Roll (m ² /sack)
EVBLA06SADUCT	6	45
EVBLA08SADUCT	8	37,5
EVBLA10SADUCT	10	30
EVBLA12SADUCT	12	22,5
EVBLA15SADUCT	15	18
EVBLA20SADUCT	20	15
EVBLA30SADUCT	30	9



IT-FLEX C1 TRIPLEX "DUCT"
SELF-ADHESIVE SHEETS
IN ROLLS h. 1500 mm
WITH MULTILAYER FILM
COMPOSITE (PET+ALU+PE)
COATING

Code	Thickness (mm)	Roll (m ² /sack)
EVBLATR06DUCT	6	45
EVBLATR08DUCT	8	37,5
EVBLATR10DUCT	10	30
EVBLATR12DUCT	12	22,5
EVBLATR15DUCT	15	18
EVBLATR20DUCT	20	15
EVBLATR30DUCT	30	9

■ Packaging dimensions in polyethylene UV-protective sack: 0,55 x h. 1,50 m
Packaging volume = 0.36 m³

IT-FLEX ADHESIVE ELASTOMERIC TAPES

Thickness 3 mm



Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTRON3	10	50	24
EV8NASTRON315	15	50	12
EV8NASTRON100	10	100	12

IT-FLEX NEOPRENE ADHESIVE, DETERGENTS, PAINTS

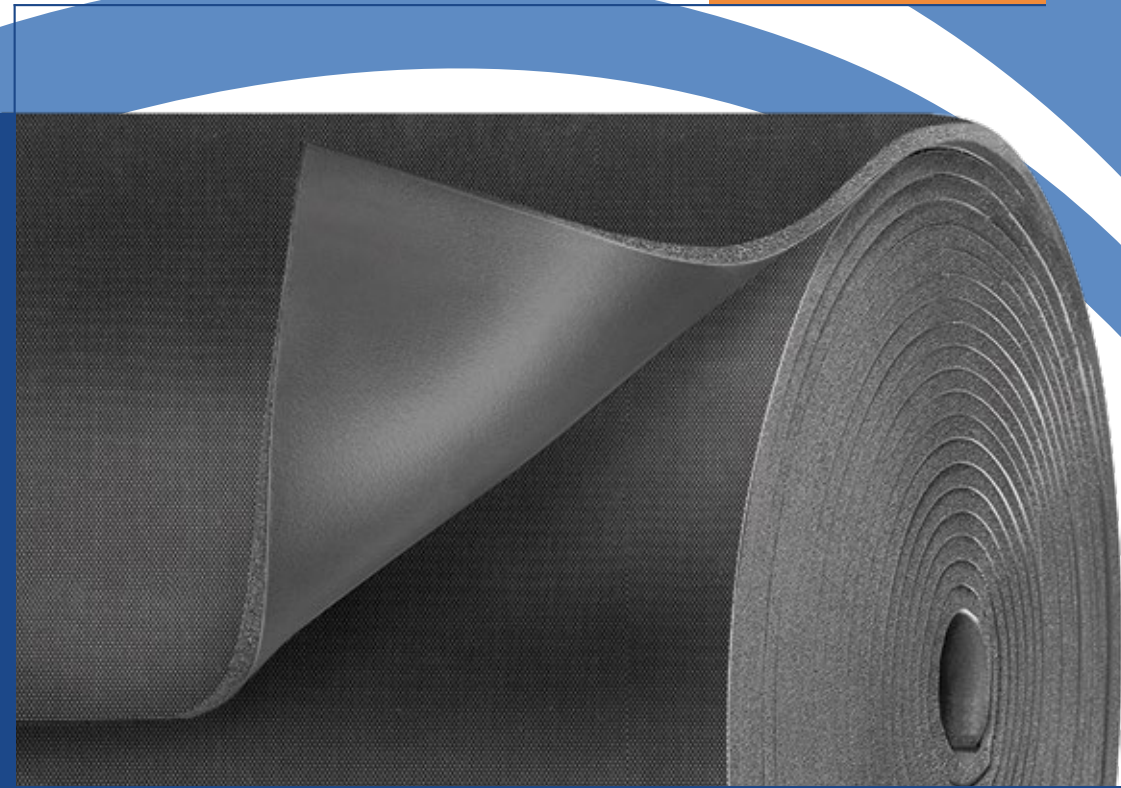








Code	Description	Packaging content (pcs.)
EV8AB850	850 g tin	12
EV8AB425	425 g tin	24
EV8DETERGENTE	1 l can	12
EV8ACVEG-G	Grey elastomeric paint 0,75 l	loose
EV8ACVEG-B	White elastomeric paint 0,75 l	loose

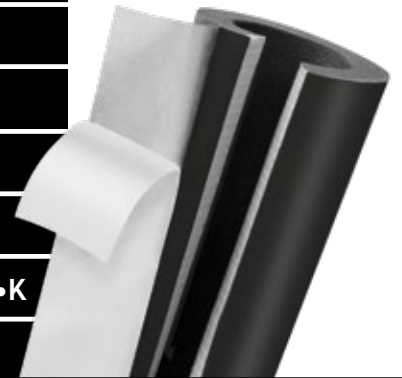
IT-FLEX ADHESIVE JOINT-SEALING TAPES

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTRNCA25	50	25	loose
EV8NASTRNCA50	50	50	loose

EVOTEC



	Excellent insulation performance
	Closed-cell microcellular structure
	High water vapour diffusion resistance
	Good flexibility and adaptability to surfaces
	Excellent mechanical resistance
	λ at 0 °C \leq 0,033 W/m•K - λ at 40 °C \leq 0,037 W/m•K
	$\mu \geq 10000$



EVOTEC

SHEETS - EUROCLASS B-s2,d0

TUBES - EUROCLASS BL-s1,d0

EVOTEC

Technical data sheet

MATERIAL

Black closed-cell flexible elastomeric foam (FEF) coupled with mineral fibre material with a black exterior finishing.

PRODUCT SPECIFICATION

Thermal insulation material produced in accordance with the European Standard EN 14304. (UNI EN 14304)

PRODUCT RANGE

Non-adhesive and adhesive sheets in rolls in thicknesses from 6 to 50 mm.
Adhesive tapes with a thickness of 3 mm.
Tubes in 1 m lengths, from 13 to 50 mm.

PRODUCT APPLICATION

Thermal insulation of refrigeration, air-conditioning and heating & plumbing services in commercial, industrial and domestic applications also situated in external environments.**

MAIN CHARACTERISTICS

CFC and HCFC-free rubber foam.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+110 °C + -50 °C	EN 14706
THERMAL CONDUCTIVITY λ	Tubes 13-25 mm at 0 °C λ ≤ 0,033 W/m•K Tapes and sheets 3-32 mm at 20 °C λ ≤ 0,035 W/m•K at 40 °C λ ≤ 0,037 W/m•K Tubes 30-50 mm at 0 °C λ ≤ 0,036 W/m•K at 20 °C λ ≤ 0,038 W/m•K at 40 °C λ ≤ 0,040 W/m•K Sheets 40-50 mm at 0 °C λ ≤ 0,034 W/m•K at 20 °C λ ≤ 0,036 W/m•K at 40 °C λ ≤ 0,038 W/m•K	EN ISO 8497 - EN 12667
WATER VAPOUR DIFFUSION FACTOR μ	Sheets and tubes thk. 6-50 mm μ ≥ 10000	EN 12086
FACTOR μ WATER ABSORPTION	< 0.1 kg/m ²	EN 13472/EN 1609
REACTION TO FIRE	Sheets - EUROCLASS B-s2,d0 Tubes - EUROCLASS B _L -s1,d0	EN 13501-1
UV RESISTANCE	EXCELLENT	UNI ISO 4892-2
CORROSION RISK	MEETS TEST REQUIREMENTS	DIN 1988 Part 7 - EN 13668

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING

TYPE	MINERAL FIBRE MATERIAL
TOTAL THICKNESS	μm approx. 200
WEIGHT	g/m ² approx. 250
COLOUR	BLACK RAL 9005

*For adhesive tapes and sheets: max. operating temperature 90 °C.

Storage of adhesive products: not exceeding one year.

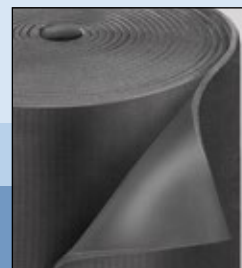
All standards cited in this document are intended to be updated to the latest released version. The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

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01/26



EVOTEC

EVOTEC - ELASTOMER COUPLED WITH MINERAL FIBRE MATERIAL WITH A BLACK EXTERIOR FINISHING

SHEETS IN ROLLS H 1 m

NON-ADHESIVE SHEETS

Code	Thickness (mm)	Roll (m ² /box)
EVOTECBL006	6	30
EVOTECBL010	10	20
EVOTECBL013	13	14
EVOTECBL019	19	10
EVOTECBL025	25	8
EVOTECBL032	32	6

Packaging dimensions: 108 x 54 x 54 cm
Packaging volume = 0,31 m³

SHEETS IN ROLLS H 1.5 m

SELF-ADHESIVE SHEETS WITH MESH

Code	Thickness (mm)	Roll (m ² /box)
EVOTECBL00815	8	37,5
EVOTECBL01015	10	30
EVOTECBL01215	12	22,5
EVOTECBL01515	15	18
EVOTECBL02015	20	15
EVOTECBL02515	25	12
EVOTECBL03015	30	9

For non-adhesive sheets please contact our Sales Dept.

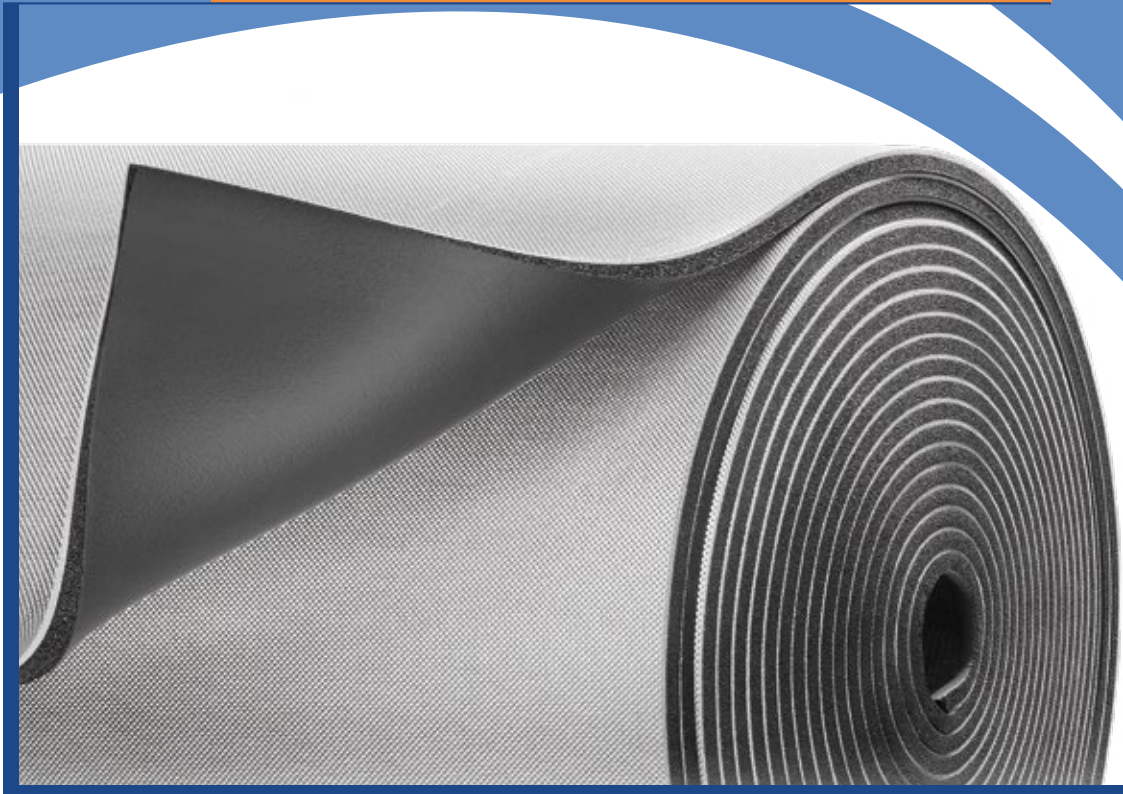
Packaging dimensions in polythene UV resistant sacks: 0,55 x H 1,50 m
Packaging volume = 0,36 m³







EVOTEC

ADHESIVE ELASTOMERIC STRIP

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs/box)
EV8NASTEVOtec	25	50	loose

IT-FLEX PE AL - IT-FLEX PEN



	Excellent insulation performance
	Closed-cell microcellular structure
	High water vapour diffusion resistance
	Good flexibility
	Good mechanical resistance
	λ at 0 °C \leq 0,034 W/m•K
	$\mu \geq$ 10000

IT-FLEX PE AL -
IT-FLEX PEN

IT-FLEX PE AL- IT FLEX PEN

Technical data sheet

MATERIAL

Flexible elastomeric foam (FEF) with closed cells, bonded to a 3 mm thick cross-linked polyethylene layer, coated with an aluminized and embossed polyethylene film.

PRODUCT RANGE

Standard and self-adhesive sheets in rolls with thicknesses from 6 to 32 mm.
Self-adhesive tapes with a thickness of 1,5 mm.

PRODUCT SPECIFICATION

Thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT APPLICATION

Thermal insulation of components in heating, air conditioning, refrigeration, and industrial systems. **

MAIN CHARACTERISTICS

CFC and HCFC-free rubber foam. Does not contain or release dust or fibres.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 110 °C* - 50 °C	EN 14706
THERMAL CONDUCTIVITY λ	At mean temp. of 0 °C ≤ 0,034 W/m·K At mean temp. of 40 °C ≤ 0,038 W/m·K	EN 12667
WATER VAPOUR DIFFUSION FACTOR μ	≥ 10000	EN 12086
REACTION TO FIRE	EUROCLASS SHEETS - E	EN 13501 - 1
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING

CROSSLINKED PE	THICKNESS 3 mm
PE FILM ALUMINIZED AND EMBOSSED	THICKNESS 32 microns
COLOUR OF PROTECTIVE FILM	ALUMINIUM (PE AL) - BLACK (PEN)

*For adhesive tapes and sheets: max. operating temperature 90 °C.

For specific requirements, please contact our Technical Department. Storage of adhesive products: not exceeding one year.

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IT-FLEX PE AL-PEN

ELASTOMER COUPLED WITH CROSSLINKED PE WITH AN ALUMINATED EMBOSSED COATING - SHEETS IN ROLLS H 1 m



NON-ADHESIVE SHEETS

Code	Thickness (mm)	Roll (m ² /box)
EV8PEALBL06 +3 mm PE ALU	6	20
EV8PEALBL10 +3 mm PE ALU	9	14
EV8PEALBL13 +3 mm PE ALU	13	12
EV8PEALBL16 +3 mm PE ALU	16	10
EV8PEALBL19 +3 mm PE ALU	19	8
EV8PEALBL25 +3 mm PE ALU	25	6
EV8PEALBL32 +3 mm PE ALU	32	4

Packaging dimensions in box: 108 x 54 x 54 cm
Packaging volume = 0,31 m³

IT-FLEX PE AL-PEN

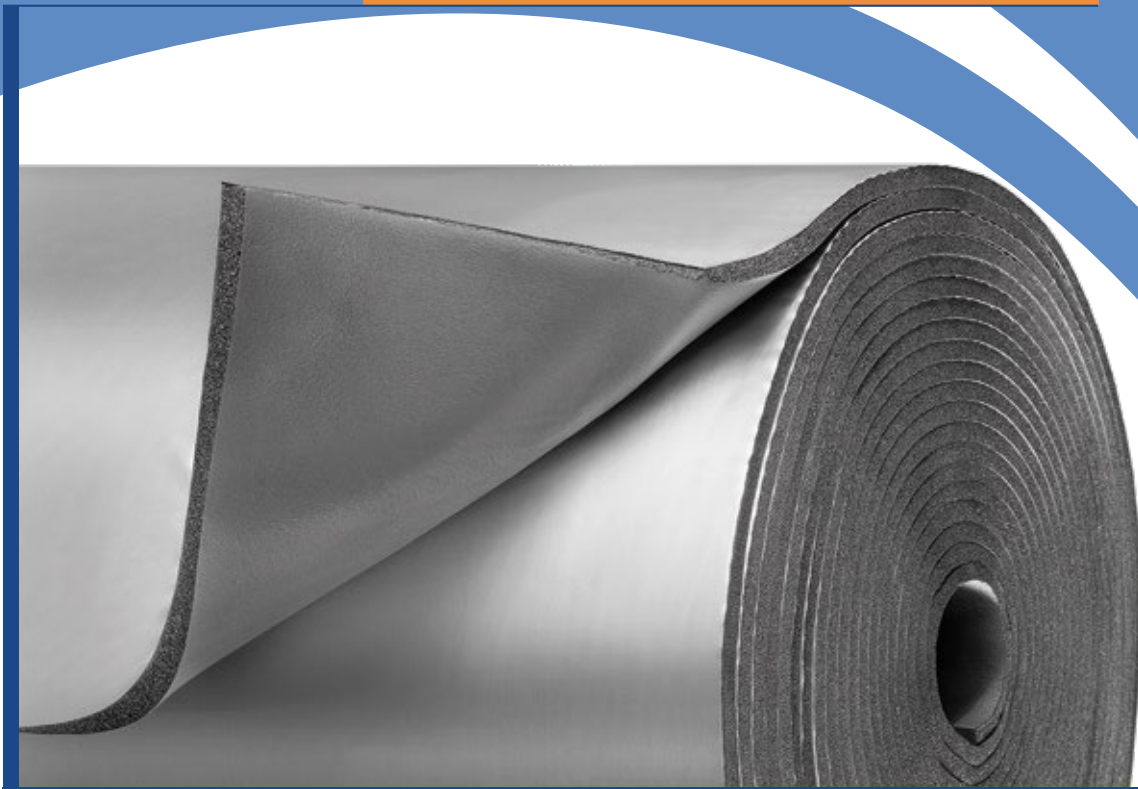
IT-FLEX PE AL-PEN







ADHESIVE ELASTOMERIC TAPES

Thickness 1,5 mm			
Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTROPEAL	25	50	12

Packaging dimensions in box: 56 x 29 x 32 cm
Packaging volume = 0,05 m³

IT-FLEX TRIPLEX



	Excellent insulation performance
	Closed-cell microcellular structure
	High water vapour diffusion resistance
	Good flexibility
	Good mechanical resistance
	λ at 0 °C \leq 0,034 W/m•K
	$\mu \geq$ 10000

IT-FLEX TRIPLEX

IT-FLEX TRIPLEX

Technical data sheet

MATERIAL

Closed-cell flexible elastomeric foam (FEF), with a multilayer coating of PET-PE-ALU films.

PRODUCT SPECIFICATION

Thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT RANGE

Standard and self-adhesive sheets in rolls with thicknesses from 6 to 32 mm.

PRODUCT APPLICATION

Thermal insulation of HVAC, refrigeration systems and industrial applications.**

MAIN CHARACTERISTICS

CFC and HCFC-free rubber foam. Does not contain or release dust or fibres.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 110 °C* - 50 °C	EN 14706
THERMAL CONDUCTIVITY λ	At mean temp. of 0 °C \leq 0,034 W/m•K At mean temp. of 40 °C \leq 0,038 W/m•K	EN 12667
WATER VAPOUR DIFFUSION FACTOR μ only on elastomer	Sheets thk. 6-32 mm $\mu \geq 10000$	EN 12086
REACTION TO FIRE	EUROCLASS E	EN 13501 - 1
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING

TOTAL THICKNESS	\cong 100 μ m
WEIGHT	\cong 125 gm ²
PROTECTIVE FILM COLOUR	ALUMINIUM

*For adhesive tapes and sheets: max. operating temperature 90°C. For specific requirements, please contact our Technical Department.

Storage of adhesive products: not exceeding one year.

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IT-FLEX TRIPLEX

ELASTOMER COUPLED WITH A MULTILAYER
COATING OF ALUMINIUM/PET/PE FILMS -
SHEETS IN ROLLS H 1 m

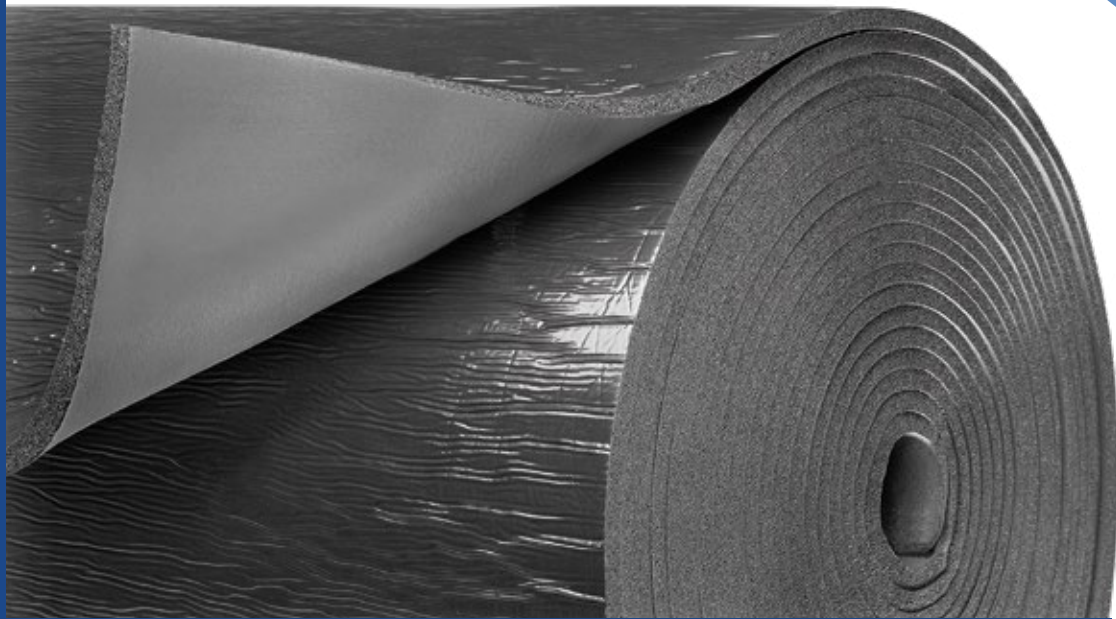
**NON-ADHESIVE SHEETS**

Code	Thickness (mm)	Roll (m ² /box)
EV8TRIBL06	6	30
EV8TRIBL10	9	20
EV8TRIBL13	13	14
EV8TRIBL16	16	12
EV8TRIBL19	19	10
EV8TRIBL25	25	8
EV8TRIBL32	32	6

Packaging dimensions in box: 108 x 54 x 54 cm
Packaging volume = 0,31 m³

IT-FLEX TRIPLEX

IT-FLEX UV PROTECTION



Excellent insulation performance



Closed-cell microcellular structure

High water vapour diffusion resistance



Good flexibility

Good mechanical resistance



Excellent UV resistance

λ at 0 °C \leq 0,034 W/m•K



$\mu \geq$ 10000

IT-FLEX UV PROTECTION

IT-FLEX UV PROTECTION

Technical data sheet

MATERIAL

Closed-cell flexible elastomeric foam (FEF), coupled with polyolefin film with high UV resistance.

PRODUCT SPECIFICATION

Thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT RANGE

Standard and self-adhesive sheets in rolls with thicknesses from 6 to 32 mm.
Self-adhesive tapes with a thickness of 3 mm.

PRODUCT APPLICATION

Thermal insulation of HVAC, refrigeration systems and industrial applications.
Also suitable for external use.**

MAIN CHARACTERISTICS

CFC and HCFC-free rubber foam. Does not contain or release dust or fibres.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 110 °C* - 50 °C*	EN 14706
THERMAL CONDUCTIVITY λ	At mean temp. of 0 °C \leq 0,034 W/m•K At mean temp. of 40 °C \leq 0,038 W/m•K	EN 12667
WATER VAPOUR DIFFUSION FACTOR μ only on elastomer	Sheets thk. 6-32 mm $\mu \geq 10000$	EN 12086
REACTION TO FIRE	EUROCLASS E	EN 13501 - 1
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
UV RESISTANCE	GOOD	UNI ISO 4892 - 2
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING

TYPE	POLYOLEFIN UV RESISTANT FILM
TOTAL THICKNESS	70 μ m
COLOUR	BLACK RAL 9005

*For adhesive tapes and sheets: max. operating temperature 90 °C. For specific requirements, please contact our Technical Department.

Storage of adhesive products: not exceeding one year.

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IT-FLEX UV PROTECTION

ELASTOMER COUPLED TO A BLACK POLYOLEFIN
UV RESISTANT FILM.
SHEETS IN ROLLS H 1 m



NON-ADHESIVE SHEETS

Code	Thickness (mm)	Roll (m ² /box)
EV8UVBL06	6	30
EV8UVBL10	9	20
EV8UVBL13	13	14
EV8UVBL16	16	12
EV8UVBL19	19	10
EV8UVBL25	25	8
EV8UVBL32	32	6

Packaging dimensions in box: 108 x 54 x 54 cm
Packaging volume = 0,31 m³

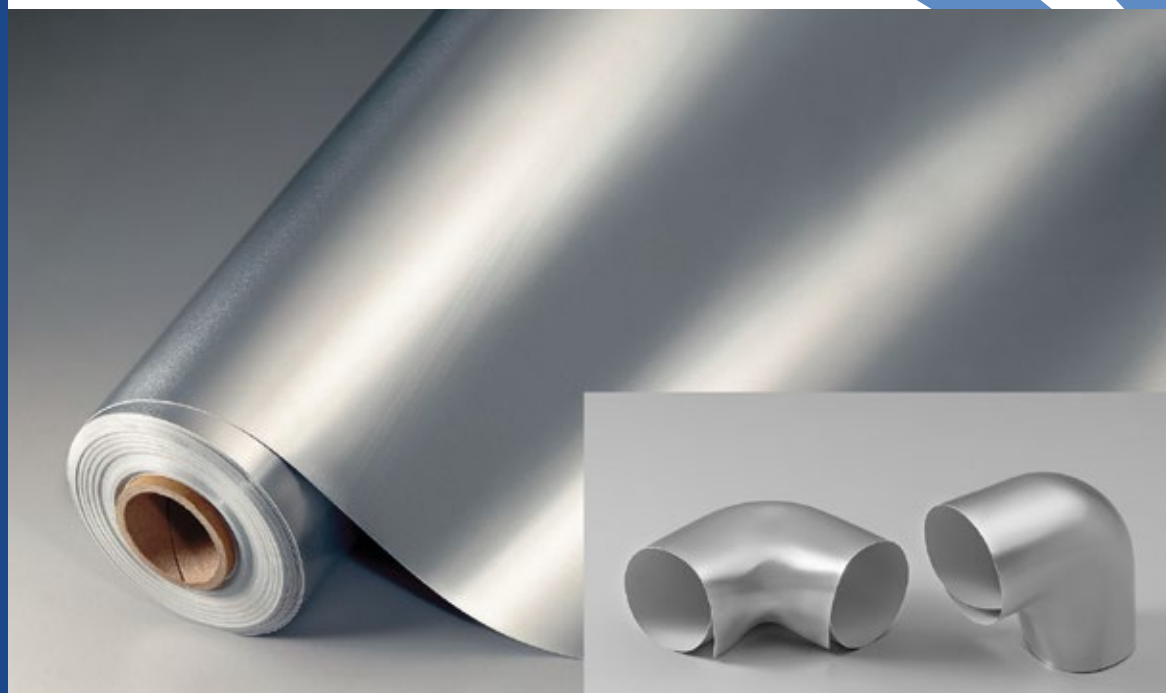
IT-FLEX UV PROTECTION

ADHESIVE ELASTOMERIC TAPES

Thickness 3 mm			
Code	Roll length (m)	Roll width (mm)	Packaging contany (pcs./box)
EV8NASTROUV	10	50	24

IT-FLEX UV PROTECTION

IT-FLEX COVER



Good mechanical resistance

Good adaptability to the surface to be covered

Excellent aesthetic appearance of the finishing

Good UV resistance

IT-FLEX COVER

IT-FLEX COVER

MATERIAL

Multilayer self wrapping sheet in PVC/Aluminium/UV protection film.

PRODUCT SPECIFICATION

Protective cover for insulated pipeworks.

PRODUCT RANGE

Rolls, tapes, elbows, and special pieces.

PRODUCT APPLICATION

covering and finishing of insulation systems.*

MAIN CHARACTERISTICS

Also suitable also for external applications.

Technical data sheet

Technical information	Reference data	Test standards
TOTAL WEIGHT	340 g/mq	EN 22 286
THICKNESS	Approx: 230 µm	
BREAKING LOAD	MD 200 N/ 15mm-CD 175 N/15mm	EN ISO 527-3
ELONGATION	MD 48% - CD 51%	EN ISO 527-3
TEAR STRENGTH	MD 70 N - CD 28 N	EN ISO 527-3
BORING RESISTANCE	ø 0,8 mm 23 N - ø 0,3 mm 87 N	pr EN 14 477
TEAR STRENGTH (NAIL)	MD 50 N - CD 42 N	EN 12310-1
LOI (Oxygen Index Limit)	35,5% O ₂	ASTEM D 2863 - ISO 4589
UV RESISTANCE (Stability Test)	EXCELLENT	ASTEM G 26 - ISO 4892 - 2
WATER VAPOUR DIFFUSION SD (Equivalent stratus of air)	< 0,028 g/mq/d > 1500 m	ASTM F 1429 - ISO 15106 - 2
EMISSIVITY ε	0,65%	
SERVICE TEMPERATURE	From -25 °C to +75 °C	

01/26

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IT-FLEX COVER

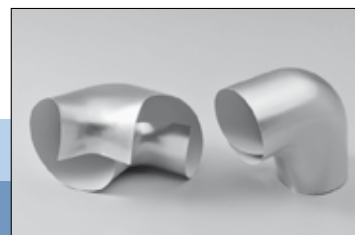
COVERING ROLL IN PVC/ALU/UV
PROTECTIVE FILM
H 1 m



Thickness 230 µm		
Code	Roll dimension	m ² /roll
EV6COVER230	1 x 25 m	25
EV6COVER230Adesivo	1 x 25 m	25

IT-FLEX COVER

90° ELBOWS Quantity: 10 pcs/box
Other dimensions on request



Ø Piping		Insulation thickness				
		13 mm	15 mm	20 mm	25 mm	30 mm
Pollici	mm					
	14	●				
3/8"	18	●	●	●	●	●
1/2"	22	●	●	●	●	●
3/4"	28	●	●	●	●	●
1"	35	●	●	●	●	●
1-1/4"	42			●	●	●
1-1/2"	48			●	●	●
	54			●		
	57					
2"	60			●	●	●
	64					
	70					
2-1/2"	76			●	●	●
3"	89			●	●	●
	102			●	●	●
	108					
4"	114			●	●	●
	127					
	134				●	●
5"	140				●	●

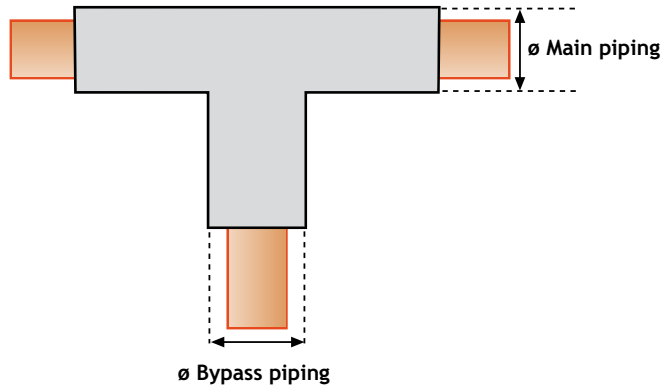
IT-FLEX COVER

SELF-ADHESIVE TAPES

Thickness 80 µm		
Code	Dimensions Width (mm) x Length (m)	Content/box n. pcs.
EV8NASTCOVE25	25 x 50	48
EV8NASTCOVE50	50 x 50	24

IT-FLEX COVER

TABLE FOR CHOOSING THE T PIECES IN COVER SHEET



ø ext. insulated piping (mm)	External diameter of the bypass piping in mm																									
	52	57	61	67	74	83	88	94	100	108	116	120	128	136	140	149	156	169	176	182	189	194	214	218	245	
52	■																									
57	■	■																								
61	■	■	■																							
67	■	■	■	■																						
74			■	■	■																					
83			■	■	■	■																				
88			■	■	■	■	■																			
94			■	■	■	■	■	■																		
100			■	■	■	■	■	■	■																	
103			■	■	■	■	■	■	■	■																
108			■	■	■	■	■	■	■	■	■															
116											■															
120												■														
128													■													
136														■												
140				■				■		■		■	■		■											
149															■											
156								■		■					■		■									
169															■	■	■	■								
176																		■								
182																			■							
189																				■						
194																					■					
214															■		■	■			■	■	■		■	
245																						■			■	■

POLYPAK



Excellent mechanical resistance

Excellent adaptability to the insulation surfaces

Excellent aesthetic appearance of the finishing

POLYPAK

POLYPAK

MATERIAL

Self-wrapping PVC sheet.

PRODUCT SPECIFICATION

Protective covering of the insulation.

PRODUCT RANGE

Rolls, elbows and special pieces with a thickness of 0,35 mm.

PRODUCT APPLICATION

Visible covering and finishing of insulation systems. Not suitable for external applications.*

Technical data sheet

Technical information	Reference data	Test standards
REACTION TO FIRE	Kj/m ² ≥ 400	DIN EN ISO 8256
TENSILE STRENGTH	N/mm ² > 35	DIN EN ISO 527
MODULUS OF ELASTICITY	N/mm ² 1800	DIN EN ISO 527
EXPANSION COEFFICIENT	1/K 0,9 × 10 ⁻⁴	DILATOMETRO LEITZ
EMISSIVITY FACTOR ε	97%	ISO 10292-A
COLOUR	GREY RAL 7032	

01/26

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POLYPAK

POLYPAK

PVC SELF-WRAPPING COVERING SHEET - H 1 m

Thickness 0,35 mm

Code	Roll dimension	m ² /roll
AC POLYPAK	1 x 25 m	25



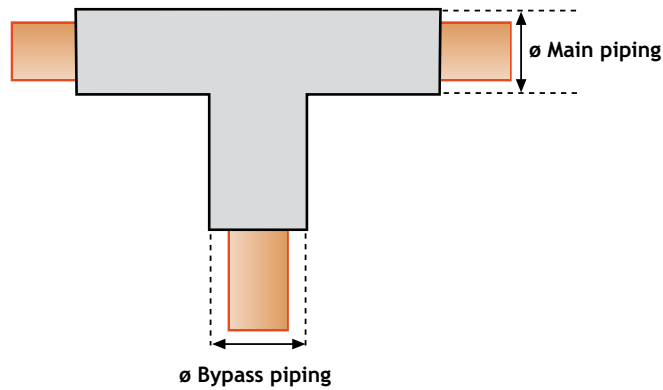
POLYPAK

PVC SELF-WRAPPING ELBOWS

Ø Piping		Insulation thickness										
		20 mm	25 mm	30 mm	32 mm	40 mm	50 mm	60 mm	70 mm	80 mm	90 mm	100 mm
Inches	mm											
3/8"	17	●	●	●	●	●	●					
1/2"	21	●	●	●	●	●	●					●
3/4"	27	●	●	●	●	●	●					
1"	34	●	●	●	●	●	●	●	●			●
1-1/4"	43	●	●	●	●	●	●	●	●	●		
1-1/2"	48	●	●	●	●	●	●	●	●	●	●	●
	54	●		●	●		●					
	57			●								
2"	60	●	●	●	●	●	●	●	●	●	●	●
	64	●		●				●				
	70	●		●		●	●	●	●	●	●	
2-1/2"	76	●	●	●	●	●	●	●	●	●	●	●
3"	89	●	●	●	●	●	●	●	●	●		●
	102	●	●	●		●	●	●	●			●
	108	●	●	●		●	●	●	●	●		●
4"	114	●	●	●	●	●	●	●		●		●
	127			●			●					
	134		●	●		●	●		●	●	●	●
5"	140		●	●	●	●	●	●	●	●	●	●
	159		●	●		●	●	●	●	●	●	●
6"	168		●	●	●	●	●	●	●	●	●	●
	194					●	●	●	●	●		●
8"	219		●	●		●	●	●	●	●		●
	245						●		●			
	267						●	●		●		●
	273		●	●						●		
10"	324		●	●			●					
12"	356		●									

POLYPAK

TABLE FOR CHOOSING THE T PIECES IN POLYPAK SHEET



ø ext. insulated piping (mm)	External diameter of the bypass piping in mm																										
	52	57	61	67	74	83	88	94	100	108	116	120	128	136	140	149	156	169	176	182	189	194	214	218	245		
52	■																										
57	■	■																									
61	■	■	■																								
67	■	■	■	■																							
74			■	■	■																						
83			■	■	■	■																					
88			■	■	■	■	■																				
94			■	■	■	■	■	■																			
100			■	■	■	■	■	■	■																		
103			■	■	■	■	■	■	■	■																	
108			■	■	■	■	■	■	■	■	■																
116											■																
120												■															
128													■														
136														■													
140															■												
149																■											
156																	■										
169																		■									
176																			■								
182																					■						
189																						■					
194																							■				
214																								■			
245																										■	■

IT-FLEX TCA

Good mechanical resistance

Excellent adaptability to the insulation surfaces

Excellent UV resistance



IT-FLEX TCA

IT-FLEX TCA

Technical data sheet

MATERIAL

ALU sheet (99,5%).

PRODUCT SPECIFICATION

External protective covering of insulation.

PRODUCT RANGE

Tubes, elbow and special shaped parts with diameters from 70 mm to 500 mm, and thicknesses from 0,5 to 1 mm.

PRODUCT APPLICATION

Surface covering protection for insulations. Also suitable for external applications.*

Tubes:	Diameters from 70 to 300 mm, length 1 m, with thicknesses from 0,6 mm.
Elbows:	Diameters from 70 to 300 mm, produced in segments with 3,2 mm double hole.
Special pieces:	Diameters from 70 to 300 mm, T connectors and reducers: H. 100,150, 200 mm.

TECHNICAL INFORMATION

Mechanical properties

	Yield strength load % 0,2 (mpa)	Tensile strength (mpa)	Elongation (A50) %
Standard	120	140	1
Test results	188,21	195.78	46,7

Chemical composition

		Si %	Fe %	Cu %	Mn %	Mg %	Zn %	Ti %	Al %
Standard	Min								
	Max	0,25	0,40	0,05	0,05	0,05	0,07	0,05	99,50
Test results		0,087	0,353	0,006	0,004	0,002	0,009	0,0065	99,534

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IT-FLEX TCA

TUBE H 1 m, AND ELBOW COVERINGS IN ALUMINIUM

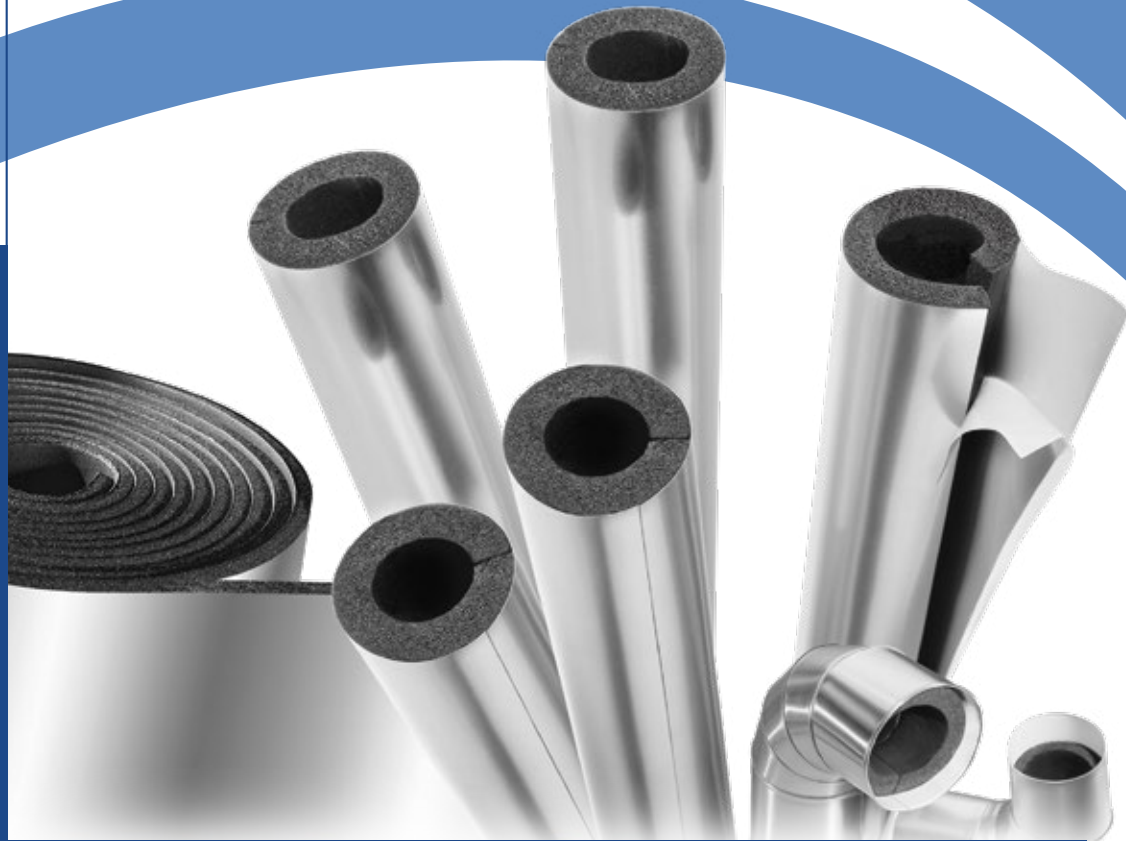
ø external PIPE (mm)	Code Thk. 6/10	Circumference
70	EV4TAL070X022	22
80	EV4TAL080X026	26
90	EV4TAL090X028	28
100	EV4TAL100X032	32
110	EV4TAL110X036	36
120	EV4TAL120X038	38
130	EV4TAL130X042	42
140	EV4TAL140X044	44
150	EV4TAL150X048	48
160	EV4TAL160X050	50
170	EV4TAL170X053	53
180	EV4TAL180X056	56
190	EV4TAL190X060	60
200	EV4TAL200X064	64
210	EV4TAL210X066	66
220	EV4TAL220X070	70
230	EV4TAL230X072	72
240	EV4TAL240X077	77
250	EV4TAL250X080	80
260	EV4TAL260X082	82
270	EV4TAL270X085	85
280	EV4TAL280X088	88
290	EV4TAL290X091	91
300	EV4TAL300X097	97



ø ELBOWS (mm)	Code Thk. 6/10	Circumference
70	EV4CAL070X022	22
80	EV4CAL080X026	26
90	EV4CAL090X028	28
100	EV4CAL100X032	32
110	EV4CAL110X036	36
120	EV4CAL120X038	38
130	EV4CAL130X042	42
140	EV4CAL140X044	44
150	EV4CAL150X048	48
160	EV4CAL160X050	50
170	EV4CAL170X053	53
180	EV4CAL180X056	56
190	EV4CAL190X060	60
200	EV4CAL200X064	64
210	EV4CAL210X066	66
220	EV4CAL220X070	70
230	EV4CAL230X072	72
240	EV4CAL240X077	77
250	EV4CAL250X080	80
260	EV4CAL260X082	82
270	EV4CAL270X085	85
280	EV4CAL280X088	88
290	EV4CAL290X091	91
300	EV4CAL300X097	97



IT-FLEX SYSTEM COVER



Composite insulation system with external protection



Closed-cell microcellular structure

Excellent insulation performance

High water vapour diffusion resistance

High mechanical resistance



Quick and easy to install

λ at 0 °C \leq 0,033 W/m·K



$\mu \geq$ 10000



BIM
BUILDING
INFORMATION
MODELING



EVOCELL
&MOBIUS

IT-FLEX SYSTEM COVER

Technical data sheet

MATERIAL

Flexible elastomeric foam (FEF) with closed cells, bonded to a multilayer PVC/Aluminium sheet with UV-protection film.

PRODUCT RANGE

Non-adhesive and adhesive tubes in lengths and in continuous rolls, in diameters from 15 to 170 mm and thicknesses from 6 to 60 mm.
Non-adhesive and adhesive sheets, in slabs or rolls, in thicknesses from 6 to 60 mm.

PRODUCT SPECIFICATION

Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT APPLICATION

Thermal insulation of components in heating, air conditioning, refrigeration, and industrial systems, including those installed in outdoor environments. *

MAIN CHARACTERISTICS

Flexible and expanded CFC and HCFC-free rubber foam.
Does not contain or release dust or fibres.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 110 °C - 50 °C	EN 14706 - 14707
THERMAL CONDUCTIVITY λ	Tubes 6-25 mm at 0 °C λ ≤ 0,033 W/m•K Tapes and sheets at 20 °C λ ≤ 0,035 W/m•K 3-32 mm at 40 °C λ ≤ 0,037 W/m•K	EN ISO 8497 - EN 12667
	Tubes 30-60 mm at 0 °C λ ≤ 0,036 W/m•K at 20 °C λ ≤ 0,038 W/m•K at 40 °C λ ≤ 0,040 W/m•K	
	Sheets 40-60 mm at 0 °C λ ≤ 0,034 W/m•K at 20 °C λ ≤ 0,036 W/m•K at 40 °C λ ≤ 0,038 W/m•K	
RESISTANCE TO WATER VAPOUR DIFFUSION μ only on elastomer	Sheets and tubes μ ≥ 10000	EN 13469 - EN 12086
REACTION TO FIRE OF THE COMPLETE SYSTEM (ELASTOMER + CLADDING)	EUROCLASS { TUBES C _L - s2, d0 SHEETS C - s3, d0	EN 13501 - 1
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
OZONE RESISTANCE	EXCELLENT	ISO 7326
UV RESISTANCE	GOOD	UNI ISO 4892 - 2
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

01/26

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Adhesive products: storage MAX one year, temperature MAX 90 °C.

IT-FLEX SYSTEM COVER

(RIVESTIMENTO PROTETTIVO ESTERNO)

Technical data sheet

MATERIAL

Self wrapping multilayer coating of PVC/ALU/UV protective film.

PRODUCT SPECIFICATION

Protective covering of insulated pipeworks

PRODUCT RANGE

Rolls, tapes, elbows and special shapes with a thickness of 230 µm.

PRODUCT APPLICATION

covering and finishing of insulation systems. *

MAIN CHARACTERISTICS

Also suitable for external applications.

Technical information	Reference data	Test standards
TOTAL WEIGHT	340 g/mq	EN 22 286
THICKNESS	approx. 230 µm	
BREAKING LOAD	MD 200 N/ 15mm-CD 175 N/15mm	EN ISO 527-3
ELONGATION	MD 48% - CD 51%	EN ISO 527-3
TEAR STRENGTH	MD 70 N - CD 28 N	EN ISO 527-3
BORING RESISTANCE	∅ 0,8 mm 23 N - ∅ 0,3 mm 87 N	pr EN 14 477
TEAR STRENGTH (NAIL)	MD 50 N - CD 42 N	EN 12310-1
LOI (Oxygen Index Limit)	35,5% O ₂	ASTM D 2863 - ISO 4589
UV RESISTANCE (Stability Test)	EXCELLENT	ASTM G 26 - ISO 4892 - 2
WATER VAPOUR DIFFUSION	< 0,028 g/mq/d	ASTM F 1429 - ISO 15106 - 2
SD (Equivalent stratus of air)	> 1500 m	
EMISSIVITY ε	0,64%	
SERVICE TEMPERATURE	from -25 °C to +65 °C	

01/26

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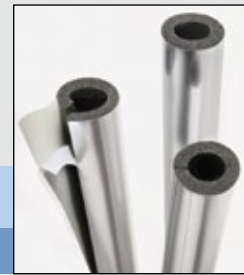
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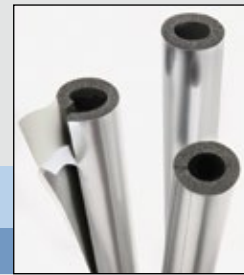
IT-FLEX SYSTEM COVER

PRE-CUT, SELF-ADHESIVE TUBES - LENGTH 1 m

COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 9 mm		Thickness 13 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box
6,35	6	1/4"								
7,93	8	5/16"								
9,52	10	3/8"	10,10	1/8"	6					
12,70	12	1/2"								
	14		13,60	1/4"	8					
							EV1C09X015	99	EV1C13X015	73
15,87	16	5/8"				16				
	18		17,20	3/8"	10		EV1C09X018	81	EV1C13X018	62
19,05		3/4"				20				
22,22	22	7/8"	21,30	1/2"	15		EV1C09X022	71	EV1C13X022	58
25,40		1"				25				
			26,90	3/4"	20					
28,57	28	1-1/8"					EV1C09X028	52	EV1C13X028	43
						32				
34,92	35	1-3/8"	33,70	1"	25		EV1C09X035	39	EV1C13X035	31
						40				
41,27	42	1-5/8"	42,40	1-1/4"	32		EV1C09X042	32	EV1C13X042	27
			48,30	1-1/2"	40		EV1C09X048	28	EV1C13X048	21
						50				
53,97	54	2"					EV1C09X054	24	EV1C13X054	20
			60,30	2"	50		EV1C09X060	24	EV1C13X060	18
	64					63	EV1C09X064	24	EV1C13X064	18
	70									
	76,10		76,10	2-1/2"	65	75	EV1C09X076	20	EV1C13X076	12
	80									
	88,90		88,90	3"	80	90	EV1C09X089	13	EV1C13X089	12
		4-1/4"	101,3/104,3	3-1/2"			EV1C09X102	10	EV1C13X102	9
	108	4-1/2"					EV1C09X108	10	EV1C13X108	8
	114		114,30	4"	100	110	EV1C09X114	8	EV1C13X114	8
						125	EV1C09X125	8	EV1C13X125	7
	133						EV1C09X133	6	EV1C13X133	6
						140	EV1C09X140	6	EV1C13X140	6
	159	6-1/4"	159			160	EV1C09X160	4	EV1C13X160	4

PRE-CUT, SELF-ADHESIVE TUBES

Packaging dimensions: 102 x 39 x 39 cm.
Packaging volume = 0,16 m³



IT-FLEX SYSTEM COVER

PRE-CUT, SELF-ADHESIVE TUBES - LENGTH 1 m

COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 19 mm		Thickness 25 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box	Code	m/box
6,35	6	1/4"								
7,93	8	5/16"								
9,52	10	3/8"	10,10	1/8"	6					
12,70	12	1/2"								
	14		13,60	1/4"	8					
							EV1C19X015	47		
15,87	16	5/8"				16				
	18		17,20	3/8"	10		EV1C19X018	42	EV1C25X018	30
19,05		3/4"				20				
22,22	22	7/8"	21,30	1/2"	15		EV1C19X022	33	EV1C25X022	27
25,40		1"				25				
			26,90	3/4"	20					
28,57	28	1-1/8"					EV1C19X028	27	EV1C25X028	22
						32				
34,92	35	1-3/8"	33,70	1"	25		EV1C19X035	21	EV1C25X035	16
						40				
41,27	42	1-5/8"	42,40	1-1/4"	32		EV1C19X042	20	EV1C25X042	15
			48,30	1-1/2"	40		EV1C19X048	16	EV1C25X048	12
						50				
53,97	54	2"					EV1C19X054	15	EV1C25X054	11
			60,30	2"	50		EV1C19X060	15	EV1C25X060	9
	64					63	EV1C19X064	15		
	70									
	76,10		76,10	2-1/2"	65	75	EV1C19X076	11	EV1C25X076	8
	80									
	88,90		88,90	3"	80	90	EV1C19X089	9	EV1C25X089	6
		4-1/4"	101,3/104,3	3-1/2"			EV1C19X102	7	EV1C25X102	4
	108	4-1/2"					EV1C19X108	7	EV1C25X108	3
	114		114,30	4"	100	110	EV1C19X114	6	EV1C25X114	3
						125	EV1C19X125	5	EV1C25X125	3
	133						EV1C19X133	4	EV1C25X133	3
						140	EV1C19X140	4	EV1C25X140	2
	159	6-1/4"	159			160	EV1C19X160	3	EV1C25X160	2

PRE-CUT, SELF-ADHESIVE TUBES



IT-FLEX SYSTEM COVER

PRE-CUT, SELF-ADHESIVE TUBES - LENGTH 1 m

COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 32 mm	
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	m/box
6,35	6	1/4"						
7,93	8	5/16"						
9,52	10	3/8"	10,10	1/8"	6			
12,70	12	1/2"						
	14		13,60	1/4"	8			
15,87	16	5/8"				16		
	18		17,20	3/8"	10		EV1C32X018	16
19,05		3/4"				20		
22,22	22	7/8"	21,30	1/2"	15		EV1C32X022	15
25,40		1"				25		
			26,90	3/4"	20			
28,57	28	1-1/8"					EV1C32X028	12
						32		
34,92	35	1-3/8"	33,70	1"	25		EV1C32X035	11
						40		
41,27	42	1-5/8"	42,40	1-1/4"	32		EV1C32X042	11
			48,30	1-1/2"	40		EV1C32X048	9
						50		
53,97	54	2"					EV1C32X054	8
			60,30	2"	50		EV1C32X060	8
	64					63		
	70							
	76,10		76,10	2-1/2"	65	75	EV1C32X076	6
	80							
	88,90		88,90	3"	80	90	EV1C32X089	4
		4-1/4"	101,3/104,3	3-1/2"			EV1C32X102	4
	108	4-1/2"					EV1C32X108	3
	114		114,30	4"	100	110	EV1C32X114	3
						125	EV1C32X125	3
	133						EV1C32X133	2
						140	EV1C32X140	2
	159	6-1/4"	159			160	EV1C32X160	2

IT-FLEX SYSTEM COVER

SHAPE 3 ELBOWS



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 9 mm	Thickness 13 mm	Thickness 19 mm
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	Code	Code
6,35	6	1/4"							
7,93	8	5/16"							
9,52	10	3/8"	10,10	1/8"	6				
12,70	12	1/2"							
	14		13,60	1/4"	8				
15,87	16	5/8"				16			
	18		17,20	3/8"	10		EV2CC09X018	EV2CC13X018	EV2CC19X018
19,05		3/4"				20			
22,22	22	7/8"	21,30	1/2"	15		EV2CC09X022	EV2CC13X022	EV2CC19X022
25,40		1"				25			
			26,90	3/4"	20				
28,57	28	1-1/8"					EV2CC09X028	EV2CC13X028	EV2CC19X028
						32			
34,92	35	1-3/8"	33,70	1"	25		EV2CC09X035	EV2CC13X035	EV2CC19X035
						40			
41,27	42	1-5/8"	42,40	1-1/4"	32		EV2CC09X042	EV2CC13X042	EV2CC19X042
			48,30	1-1/2"	40		EV2CC09X048	EV2CC13X048	EV2CC19X048
						50			
53,97	54	2"					EV2CC09X054	EV2CC13X054	EV2CC19X054
			60,30	2"	50		EV2CC09X060	EV2CC13X060	EV2CC19X060
	64					63	EV2CC09X064		EV2CC19X064
	70								
	76,10		76,10	2-1/2"	65	75	EV2CC09X076	EV2CC13X076	EV2CC19X076
	80								
	88,90		88,90	3"	80	90	EV2CC09X089	EV2CC13X089	EV2CC19X089
			101,3/104,3	3-1/2"			EV2CC09X102	EV2CC13X102	EV2CC19X102
	108	4-1/4"					EV2CC09X108	EV2CC13X108	EV2CC19X108
	114	4-1/2"	114,30	4"	100	110	EV2CC09X114	EV2CC13X114	EV2CC19X114
						125	EV2CC09X125	EV2CC13X125	EV2CC19X125
	133						EV2CC09X133	EV2CC13X133	EV2CC19X133
			139,70	5"	125	140	EV2CC09X140	EV2CC13X140	EV2CC19X140
	159	6-1/4"	159			160	EV2CC09X160	EV2CC13X160	EV2CC19X160

IT-FLEX SYSTEM COVER
SHAPE 3 ELBOWS



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 25 mm	Thickness 32 mm	Thickness 40 mm
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	Code	Code
6,35	6	1/4"							
7,93	8	5/16"							
9,52	10	3/8"	10,10	1/8"	6				
12,70	12	1/2"							
	14		13,60	1/4"	8				
15,87	16	5/8"				16			
	18		17,20	3/8"	10		EV2CC25X018	EV2CC32X018	EV2CC40X018
19,05		3/4"				20			
22,22	22	7/8"	21,30	1/2"	15		EV2CC25X022	EV2CC32X022	EV2CC40X022
25,40		1"				25			
			26,90	3/4"	20				
28,57	28	1-1/8"					EV2CC25X028	EV2CC32X028	EV2CC40X028
						32			
34,92	35	1-3/8"	33,70	1"	25		EV2CC25X035	EV2CC32X035	EV2CC40X035
						40			
41,27	42	1-5/8"	42,40	1-1/4"	32		EV2CC25X042	EV2CC32X042	EV2CC40X042
			48,30	1-1/2"	40		EV2CC25X048	EV2CC32X048	EV2CC40X048
						50			
53,97	54	2"					EV2CC25X054	EV2CC32X054	EV2CC40X054
			60,30	2"	50		EV2CC25X060	EV2CC32X060	EV2CC40X060
	64					63			
	70								
	76,10		76,10	2-1/2"	65	75	EV2CC25X076	EV2CC32X076	EV2CC40X076
	80								
	88,90		88,90	3"	80	90	EV2CC25X089	EV2CC32X089	EV2CC40X089
			101,3/104,3	3-1/2"			EV2CC25X102	EV2CC32X102	EV2CC40X102
	108	4-1/4"					EV2CC25X108	EV2CC32X108	EV2CC40X108
	114	4-1/2"	114,30	4"	100	110	EV2CC25X114	EV2CC32X114	EV2CC40X114
						125	EV2CC25X125	EV2CC32X125	EV2CC40X125
	133						EV2CC25X133	EV2CC32X133	EV2CC40X133
			139,70	5"	125	140	EV2CC25X140	EV2CC32X140	EV2CC40X140
	159	6-1/4"	159			160	EV2CC25X160	EV2CC32X160	EV2CC40X160

IT-FLEX SYSTEM COVER

SHAPE 3 ELBOWS



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 50 mm
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code
6,35	6	1/4"					
7,93	8	5/16"					
9,52	10	3/8"	10,10	1/8"	6		
12,70	12	1/2"					
	14		13,60	1/4"	8		
15,87	16	5/8"				16	
	18		17,20	3/8"	10		EV2CC50X018
19,05		3/4"				20	
22,22	22	7/8"	21,30	1/2"	15		EV2CC50X022
25,40		1"				25	
			26,90	3/4"	20		
28,57	28	1-1/8"					EV2CC50X028
						32	
34,92	35	1-3/8"	33,70	1"	25		EV2CC50X035
						40	
41,27	42	1-5/8"	42,40	1-1/4"	32		EV2CC50X042
			48,30	1-1/2"	40		EV2CC50X048
						50	
53,97	54	2"					EV2CC50X054
			60,30	2"	50		EV2CC50X060
	64					63	
	70						
	76,10		76,10	2-1/2"	65	75	EV2CC50X076
	80						
	88,90		88,90	3"	80	90	EV2CC50X089
			101,3/104,3	3-1/2"			EV2CC50X102
	108	4-1/4"					EV2CC50X108
	114	4-1/2"	114,30	4"	100	110	EV2CC50X114
						125	EV2CC50X125
	133						EV2CC50X133
			139,70	5"	125	140	EV2CC50X140
	159	6-1/4"	159			160	EV2CC50X160

SHAPE 3 ELBOWS

IT-FLEX SYSTEM COVER

SHAPE 1B ELBOWS
(With thickness loss)



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 9 mm	Thickness 13 mm	Thickness 19 mm
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	Code	Code
6,35	6	1/4"							
7,93	8	5/16"							
9,52	10	3/8"	10,10	1/8"	6				
12,70	12	1/2"							
	14		13,60	1/4"	8				
15,87	16	5/8"				16			
	18		17,20	3/8"	10		EV2CCB09X018	EV2CCB13X018	EV2CCB19X018
19,05		3/4"				20			
22,22	22	7/8"	21,30	1/2"	15		EV2CCB09X022	EV2CCB13X022	EV2CCB19X022
25,40		1"				25			
			26,90	3/4"	20				
28,57	28	1-1/8"					EV2CCB09X028	EV2CCB13X028	EV2CCB19X028
						32			
34,92	35	1-3/8"	33,70	1"	25		EV2CCB09X035	EV2CCB13X035	EV2CCB19X035
						40			
41,27	42	1-5/8"	42,40	1-1/4"	32		EV2CCB09X042	EV2CCB13X042	EV2CCB19X042
			48,30	1-1/2"	40		EV2CCB09X048	EV2CCB13X048	EV2CCB19X048
						50			
53,97	54	2"					EV2CCB09X054	EV2CCB13X054	EV2CCB19X054
			60,30	2"	50		EV2CCB09X060	EV2CCB13X060	EV2CCB19X060
	64					63			
	70								
	76,10		76,10	2-1/2"	65	75	EV2CCB09X076	EV2CCB13X076	EV2CCB19X076
	80								
	88,90		88,90	3"	80	90	EV2CCB09X089	EV2CCB13X089	EV2CCB19X089
			101,3/104,3	3-1/2"			EV2CCB09X102	EV2CCB13X102	EV2CCB19X102
	108	4-1/4"					EV2CCB09X108	EV2CCB13X108	EV2CCB19X108
	114	4-1/2"	114,30	4"	100	110	EV2CCB09X114	EV2CCB13X114	EV2CCB19X114
						125	EV2CCB09X125	EV2CCB13X125	EV2CCB19X125
	133						EV2CCB09X133	EV2CCB13X133	EV2CCB19X133
			139,70	5"	125	140	EV2CCB09X140	EV2CCB13X140	EV2CCB19X140
	159	6-1/4"	159			160	EV2CCB09X160	EV2CCB13X160	EV2CCB19X160

IT-FLEX SYSTEM COVER

SHAPE 1B ELBOWS
(With thickness loss)



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 25 mm	Thickness 32 mm	Thickness 40 mm
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code	Code	Code
6,35	6	1/4"							
7,93	8	5/16"							
9,52	10	3/8"	10,10	1/8"	6				
12,70	12	1/2"							
	14		13,60	1/4"	8				
15,87	16	5/8"				16			
	18		17,20	3/8"	10		EV2CCB25X018	EV2CCB32X018	EV2CCB40X018
19,05		3/4"				20			
22,22	22	7/8"	21,30	1/2"	15		EV2CCB25X022	EV2CCB32X022	EV2CCB40X022
25,40		1"				25			
			26,90	3/4"	20				
28,57	28	1-1/8"					EV2CCB25X028	EV2CCB32X028	EV2CCB40X028
						32			
34,92	35	1-3/8"	33,70	1"	25		EV2CCB25X035	EV2CCB32X035	EV2CCB40X035
						40			
41,27	42	1-5/8"	42,40	1-1/4"	32		EV2CCB25X042	EV2CCB32X042	EV2CCB40X042
			48,30	1-1/2"	40		EV2CCB25X048	EV2CCB32X048	EV2CCB40X048
						50			
53,97	54	2"					EV2CCB25X054	EV2CCB32X054	EV2CCB40X054
			60,30	2"	50		EV2CCB25X060	EV2CCB32X060	EV2CCB40X060
	64					63			
	70								
	76,10		76,10	2-1/2"	65	75	EV2CCB25X076	EV2CCB32X076	EV2CCB40X076
	80								
	88,90		88,90	3"	80	90	EV2CCB25X089	EV2CCB32X089	EV2CCB40X089
			101,3/104,3	3-1/2"			EV2CCB25X102	EV2CCB32X102	EV2CCB40X102
	108	4-1/4"					EV2CCB25X108	EV2CCB32X108	EV2CCB40X108
	114	4-1/2"	114,30	4"	100	110	EV2CCB25X114	EV2CCB32X114	EV2CCB40X114
						125	EV2CCB25X125	EV2CCB32X125	EV2CCB40X125
	133						EV2CCB25X133	EV2CCB32X133	EV2CCB40X133
			139,70	5"	125	140	EV2CCB25X140	EV2CCB32X140	EV2CCB40X140
	159	6-1/4"	159			160	EV2CCB25X160	EV2CCB32X160	EV2CCB40X160

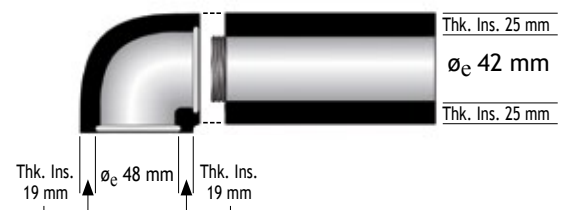
IT-FLEX SYSTEM COVER

SHAPE 1B ELBOWS
(With thickness loss)



COPPER TUBES (CU)			STEEL TUBES (FE)			TUBES PE/PP/PVC	Thickness 50 mm
ø ext. mm	ø ext. mm	ø inches	ø ext. mm	ø inches	DN mm	ø ext. mm	Code
6,35	6	1/4"					
7,93	8	5/16"					
9,52	10	3/8"	10,10	1/8"	6		
12,70	12	1/2"					
	14		13,60	1/4"	8		
15,87	16	5/8"				16	
	18		17,20	3/8"	10		EV2CCB50X018
19,05		3/4"				20	
22,22	22	7/8"	21,30	1/2"	15		EV2CCB50X022
25,40		1"				25	
			26,90	3/4"	20		
28,57	28	1-1/8"					EV2CCB50X028
						32	
34,92	35	1-3/8"	33,70	1"	25		EV2CCB50X035
						40	
41,27	42	1-5/8"	42,40	1-1/4"	32		EV2CCB50X042
			48,30	1-1/2"	40		EV2CCB50X048
						50	
53,97	54	2"					EV2CCB50X054
			60,30	2"	50		EV2CCB50X060
	64					63	
	70						
	76,10		76,10	2-1/2"	65	75	EV2CCB50X076
	80						
	88,90		88,90	3"	80	90	EV2CCB50X089
			101,3/104,3	3-1/2"			EV2CCB50X102
	108	4-1/4"					EV2CCB50X108
	114	4-1/2"	114,30	4"	100	110	EV2CCB50X114
						125	EV2CCB50X125
	133						EV2CCB50X133
			139,70	5"	125	140	EV2CCB50X140
	159	6-1/4"	159			160	EV2CCB50X160

Indications for choosing the SYSTEM COVER shape 1/B elbow (type with insulation thickness loss) for fittings threaded in cast iron.



NB: In order to maintain a constant external dimension of the insulation system, the diagram shows how, when ordering the insulation for elbows and T pieces, the following factors should be taken into consideration:

- 1) The increase in diameter of the pipework (elbows and T pieces).
- 2) The reduction of the insulation thickness on the pipework (elbows and T pieces).

IT-FLEX SYSTEM COVER



SHEETS h 1 m

ELASTOMERIC FOAM SHEET COATED WITH A FOIL IN
PVC+ALU+UV PROTECTION FILM

NON-ADHESIVE SHEETS			SELF-ADHESIVE SHEETS			
CODE	Thickness (MM)	ROLL (M ² /box)	CODE	Thickness (MM)	ROLL (M ² /box)	
EV1CBL06	6	30	EV1CBLA06	6	30	
EV1CBL10	9	20	EV1CBLA10	9	20	
EV1CBL13	13	14	EV1CBLA13	13	14	
EV1CBL19	19	10	EV1CBLA19	19	10	
EV1CBL25	25	8	EV1CBLA25	25	8	
EV1CBL32	32	6	EV1CBLA32	32	6	

Packaging dimensions: 108 x 54 x 54 cm
Packaging volume = 0,31 m³

INSTALLATION OF SYSTEM COVER TUBES

Apply the pre-cut tube over the pipe to be insulated and apply the adhesive (CNX adhesive) with a brush along the longitudinal cut of the tube.

Wait 5 to 10 minutes, then join the surfaces by pressing on both sides so that they adhere perfectly to each other.



Seal the insulation using the appropriate adhesive overlap tab after removing the protective film from the adhesive.



On the same day as installation, always apply the plastic pins using the appropriate awl, placing them every 5–10 cm at 1 cm from the edge.



Always apply the insulating tape (with a width of 25 or 50 mm, depending on the thickness and diameter of the tube) over the plastic pins to ensure greater hold.



To insulate pipes with multiple sections of insulation, glue them end-to-end using CNX adhesive. Join the two tube sections without aligning the two longitudinal cuts, in order to ensure optimal absorption of expansion.



Apply the overlap tape at the joint between the two tubes. For outdoor applications, it is recommended to seal all edges of the tape with outdoor silicone.



ULTRASOLAR 2



Composite systems consisting of two twin AISI 316L stainless steel pipes with high-performance elastomeric insulation coating and sensor cable. The production in longer coils allows not only practical, fast and reliable installation, but also the optimization of material waste with significant savings. Available in brick color, it provides an effective aesthetic finish for installations.

- UV-resistant outdoor applications

ULTRASOLAR 2

ULTRASOLAR 2

MATERIAL

Composite system in rolls consisting of 2 twinned tubes in corrugated stainless steel AISI 316 L, IT-FLEX AT R insulation covering and a sensor cable.

PRODUCT SPECIFICATION

Steel: In accordance with the European Standard EN EN 10088-2/DIN 1744:1.4404.
Insulation: In accordance with the European Standard EN 14304.

PRODUCT RANGE

Tubes in rolls in lengths of 10-15-20-25 m, bobbins in lengths of 50-100-150 m in DN 16-20-25.
Insulation thickness of 10 mm.

PRODUCT APPLICATION

The production of thermal fluid distribution systems in solar thermal applications or applications carrying high temperature fluids (+150 °C in continuous operation; +180 °C in intermittent operation). It is also suitable for external applications.

TECHNICAL SPECIFICATIONS OF THE CORRUGATED STAINLESS STEEL AISI 316 L TUBE

TYPE DN	THICKNESS (mm)	EXTERNAL DIAMETER (mm)	TOLERANCE (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

MAIN PROPERTIES	REFERENCE VALUES	TEST STANDARDS
SERVICE TEMPERATURES OF TRANSPORTED FLUIDS	- 50 °C + 150 °C	EN 14707
THERMAL CONDUCTIVITY λ AT A MEAN TEMPERATURE OF + 40 °C	≤ 0,042 W/m·K	EN ISO 8497
FIRE PERFORMANCE EUROCLASS	E _L	EN 13501-1
WATER ABSORPTION	< 0.1 kg/m ²	EN 13472
UV RESISTANCE	EXCELLENT	UNI ISO 4892-2
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468

TECHNICAL SPECIFICATIONS OF THE EXTERNAL INSULATION

TYPE	FILM IN LDPE	
COLOUR	BRICK	
THICKNESS	≈ 350 μm	
ELONGATION AT BREAK (%)	200 MD/550 TD	ISO 527-3

TECHNICAL SPECIFICATIONS OF SENSOR CABLE

TYPE	Silicone rubber (double thread)	
SERVICE TEMPERATURES	from - 60 °C to +180 °C	
SECTION	1 mm ²	EN ISO 12086
NOMINAL TENSION	U ₀ /U 300/500 V	

For specific requirements, please contact our Technical Department.

01/26

All standards cited in this document are intended to be updated to the latest released version. The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

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THE EVOLUTION OF ELASTOMERIC TECHNOLOGY

PRODUCT RANGE

NEW EVOLUTION



ULTRASOLAR 2

2 TWINNED TUBES IN CORRUGATED STAINLESS STEEL AISI 316 WITH AN INSULATION COVERING OF 10 mm.

DN TYPE	THK. STEEL TUBE (mm)	EXT. DIAMETER-STEEL TUBE	ROLL LENGTH (m)	BOBBIN 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

ULTRASOLAR 2

THE EVOLUTION OF ELASTOMERIC TECHNOLOGY

ACCESSORIES

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



ULTRASOLAR 2

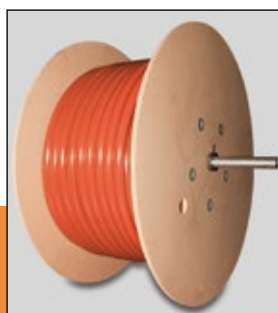
ULTRASOLAR 2

COMPOSITE SYSTEM IN ROLLS, COMPLETE WITH 2 TWINNED TUBES IN STAINLESS STEEL AISI 316



Code	Description	Ø	m/bob	BOBINE
ULTRAS216150R	Ultrasolar 2 DN16 Thk.10 150 m. Red	16	150	
ULTRAS216100R	Ultrasolar 2 DN16 Thk.10 100 m. Red	16	100	
ULTRAS216050R	Ultrasolar 2 DN16 Thk.10 50 m. Red	16	50	
ULTRAS220100R	Ultrasolar 2 DN20 Thk.10 100 m. Red	20	100	
ULTRAS220050R	Ultrasolar 2 DN20 Thk.10 50 m. Red	20	50	
ULTRAS225100R	Ultrasolar 2 DN25 Thk.10 100 m. Red	25	100	
ULTRAS225050R	Ultrasolar 2 DN25 Thk.10 50 m. Red	25	50	

BOBBINS



ROLLS



Code	Description	Ø	m/roll	ROLLS
ULTRAS216010R	Ultrasolar 2 DN16 Thk.10 10 m. Red	16	10	
ULTRAS216015R	Ultrasolar 2 DN16 Thk.10 15 m. Red	16	15	
ULTRAS216020R	Ultrasolar 2 DN16 Thk.10 20 m. Red	16	20	
ULTRAS216025R	Ultrasolar 2 DN16 Thk.10 25 m. Red	16	25	
ULTRAS220010R	Ultrasolar 2 DN20 Thk.10 10 m. Red	20	10	
ULTRAS220015R	Ultrasolar 2 DN20 Thk.10 15 m. Red	20	15	
ULTRAS220020R	Ultrasolar 2 DN20 Thk.10 20 m. Red	20	20	
ULTRAS220025R	Ultrasolar 2 DN20 Thk. 25 m. Red	20	25	
ULTRAS225015R	Ultrasolar 2 DN25 Thk.10 15 m. Red	25	15	
ULTRAS225020R	Ultrasolar 2 DN25 Thk.10 20 m. Red	25	20	
ULTRAS225025R	Ultrasolar 2 DN25 Thk.10 25 m. Red	25	25	

Coil 10 - 15 m
Packaging dimension: 80 x 82 x 22 cm
Packaging volume = 0,14 m³

Coil 20 - 25 m
Packaging dimension: 80 x 82 x 40 cm
Packaging volume = 0,26 m³

Wood bobbin 50 - 100 - 150 m
Packaging dimension: 120 x 120 x 60 cm
Packaging volume = 0,86 m³

FITTINGS KIT

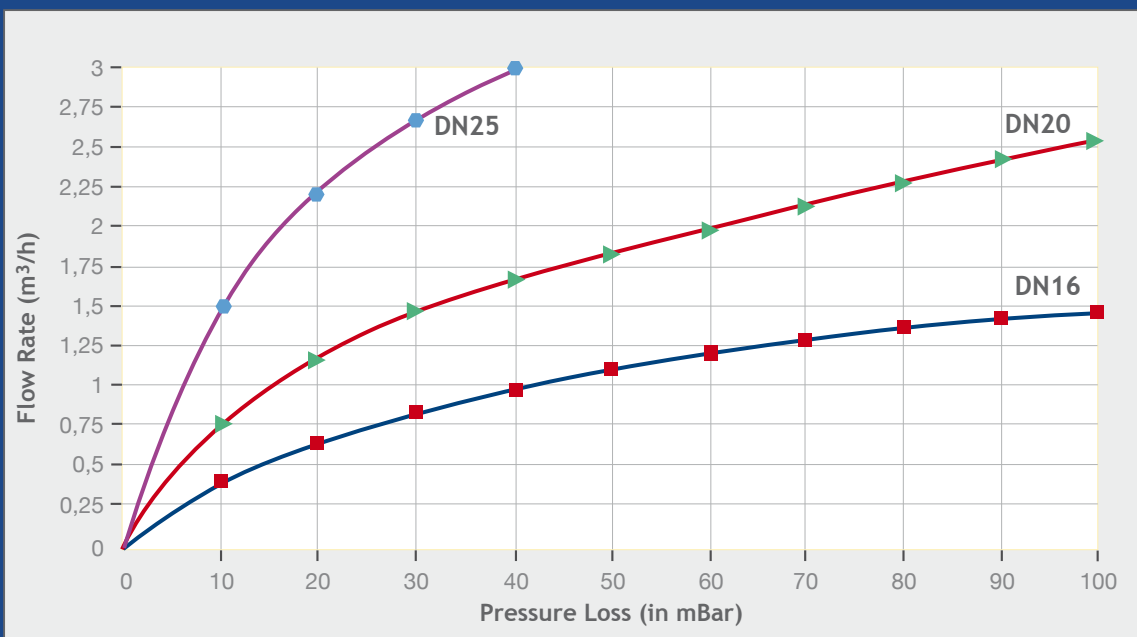
ULTRASOLAR 2

FITTINGS KIT WITH 4 PIECES

Code	Description
RACDN16-1M	Fittings kit DN 16X1" MALE
RACDN16-1/2M	Fittings kit DN 16X1/2" MALE
RACDN16-3/4M	Fittings kit DN 16X3/4" MALE
RACDN20-1M	Fittings kit DN 20X1" MALE
RACDN20-3/4M	Fittings kit DN 20X3/4" MALE
RACDN25-1M	Fittings kit DN 25X1" MALE
RACDN25-11/4M	Fittings kit DN 25X1-1/4" MALE
RACDN16-15R	Fittings kit DN 16X15 COPPER
RACDN16-2218R	Fittings kit DN 16X22/18 COPPER
RACDN20-2218R	Fittings kit DN 20X22/18 COPPER
RACDN25-2218R	Fittings kit DN 25X22/18 COPPER
RACDN16-16	Fittings kit DN 16 X DN16
RACDN20-20	Fittings kit DN 20 X DN20
RACDN25-25	Fittings kit DN 25 X DN25
RACDN16-1F	Fittings kit DN 16X1" FEMALE
RACDN16-1/2F	Fittings kit DN 16X1/2" FEMALE
RACDN16-3/4F	Fittings kit DN 16X3/4" FEMALE
RACDN20-1F	Fittings kit DN 20X1" FEMALE
RACDN20-3/4F	Fittings kit DN 20X3/4" FEMALE
RACDN25-1F	Fittings kit DN 25X1" FEMALE
RACDN16-22C	Fittings kit DN 16X22 COPPER ELBOW
RACDN16-3/4C	Fittings kit DN 16X3/4" COPPER ELBOW
RACDN16-18	Fittings kit DN 16 X 18
RACDN16-22	Fittings kit DN 16 X 22
RACDN20-18	Fittings kit DN 20 X 18
RACDN20-22	Fittings kit DN 20 X 22
RACDN25-18	Fittings kit DN 25 X 18
RACDN25-22	Fittings kit DN 25 X 22
RACTEE16-22R	Fittings kit T 16X22



Table of pressure losses of corrugated stainless steel AISI 316 L pipes.



ULTRASOLAR 2

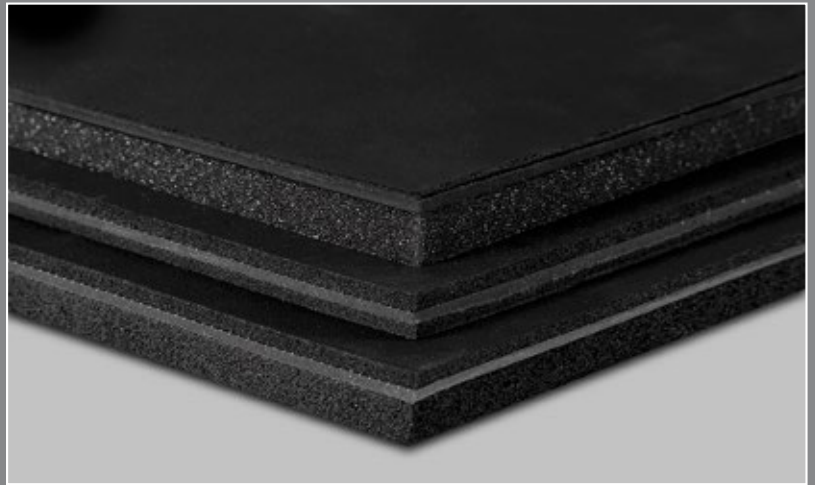
ACOUSTIC



RANGE OF PRODUCTS FOR
ACOUSTIC INSULATION

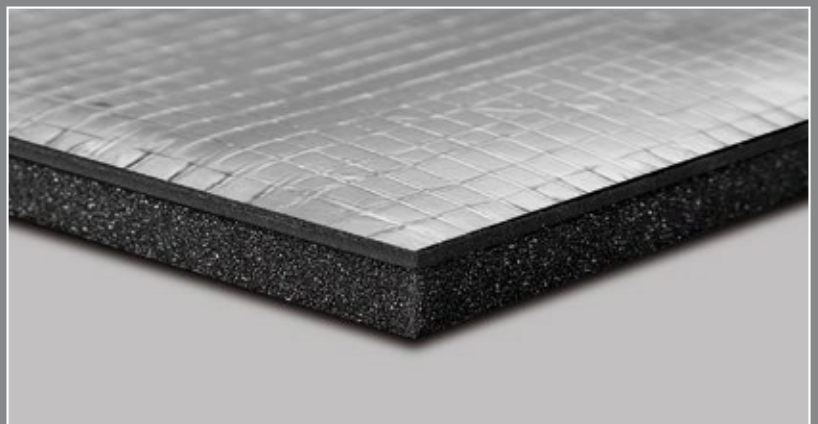
EVOSOUND HD-RUB

A range of acoustic-insulation rolled sheets produced by the coupling of high-density elastomeric and rubber foamed material (FEF). Available in different thicknesses, they are suitable for solving problems of acoustic insulation in building and industrial applications.



EVOSOUND HD-RUB LFS

A range of acoustic-insulation rolled sheets produced by the coupling of high-density elastomeric and rubber foamed material (FEF) and an external protective covering in aluminium. They are ideal for solving problems of acoustic insulation in building and industrial applications and are available in different thicknesses on request.



EVOSOUND HD-RUB - HD-RUB LFS

Technical data sheet

MATERIAL

High-density soundproofing barrier layer coupled with a flexible elastomeric foam sheet (FEF).

PRODUCT RANGE

Sheets in rolls with dimensions of 1 x 2 m (see the specific composition).

PRODUCT APPLICATION

Acoustic insulation of drains, walls, floors, ceilings, engines, cabins, and civil and industrial plant components.**

SPECIFIC COMPOSITION

Compound composed of 2 mm of elastomeric high-density barrier covered on one or both sides by a rubber elastomeric foamed sheet made of FEF. Available in different thicknesses.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES	from -45 °C to +110 °C*	EN 14706
THERMAL CONDUCTIVITY λ	At mean temp. of 0 °C $\leq 0,034$ W/m•K At mean temp. of 40 °C $\leq 0,038$ W/m•K	EN 12667
WEIGHT	Approx. 4,5 kg/m ²	ASTM D 1662
MEASUREMENT OF NOISE FROM WASTE WATER INSTALLATIONS REDUCTION OF AIR-BORNE SOUND TRANSMISSION STRUCTURE-BORNE SOUND LEVEL	Flow rate 0,5l/s 1l/s 2l/s 4l/s dB (A) 12 12 10,5 10,5 Flow rate 0,5l/s 1l/s 2l/s 4l/s dB (A) 15,5 16,6 18,4 19,6	UNI EN 14366
SOUNDPROOFING POWER INDEX R_w	27 dB (-1; -4)	EN ISO 140-3 - UNI EN ISO 717-1
HARDNESS (high-density only 2mm layer)	80 \pm 10 Shore A	ASTM D 2240 / UNI EN ISO 868 / DIN 53505
TENSILE STRENGTH (high-density only 2mm layer)	> 1 N/mm ²	
ELONGATION AT BREAK (high-density only 2mm layer)	> 20 %	ASTM D 412 / DIN 53504 / UNI 6065
FIRE PERFORMANCE - EUROCLASS	HD-RUB - D-s2,d0 HD-RUB LFS - B-s1,d0	EN 13501 - 1

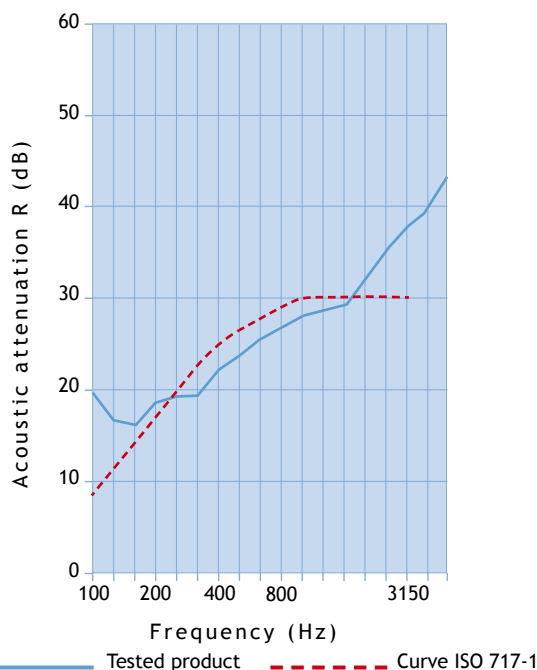
01/26

SOUND REDUCTION INDEX

(Ref. European Standard UNI EN ISO 140-3 and 717-1)

FREQ. Hz	R dB
100	20,4
125	15,8
160	14,9
200	17,4
250	18,5
315	18,7
400	21,3
500	21,9
630	23,9
800	25,3
1000	26,7
1250	28,1
1600	28,7
2000	29,4
2500	31,0
3150	35,2
4000	38,6
5000	44,0

$R_w (C; C_{tr}) = 27 (-1; -4)$ dB



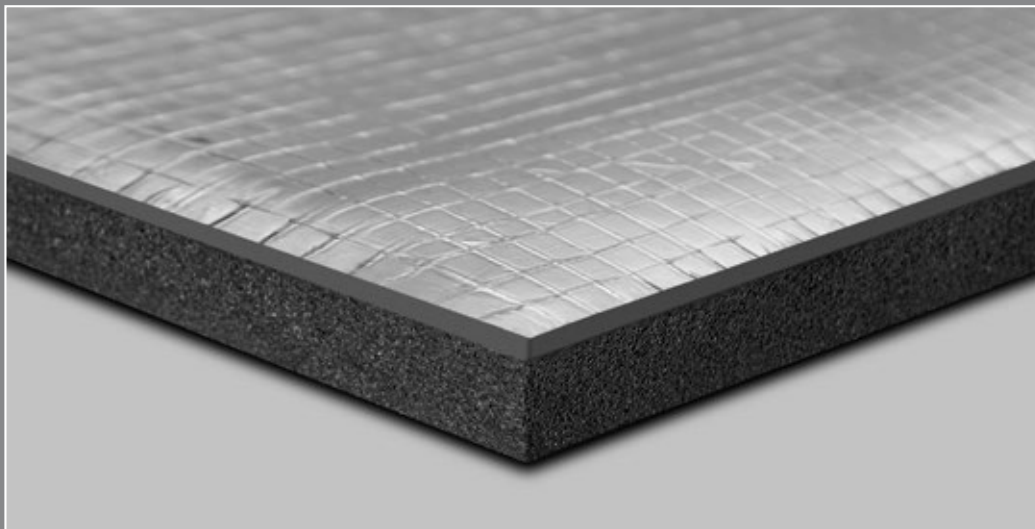
*Maximum temperature for adhesive versions: 90 °C

**Please note that the insulating material is not designed to operate in direct contact with the conveyed fluid.

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Storage of adhesive-backed products: not exceeding one year. It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice.

EVOSOUND HD-RUB/HF



A range of multi-layered acoustic-insulation rolled sheets produced by the coupling of elastomeric and rubber foamed material (FEF) **IT-FLEX HALOGEN FREE**, a high density elastomeric material and an external aluminium covering. Available in different thicknesses, they are suitable for solving problems of acoustic insulation in building and industrial applications, where Halogen free materials are required to meet the high safety standards.



EVOSOUND HD-RUB/HF

Technical data sheet

MATERIAL

Halogen-free compound composed of a soundproofing barrier layer coupled with a flexible elastomeric foam sheet (FEF) and an external aluminium covering.

PRODUCT APPLICATION

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, where high safety standards exist in case of fire.**

PRODUCT RANGE

Sheets in rolls with dimensions of 1 x 2 m (see the specific composition).

SPECIFIC COMPOSITION

Compound composed of 2 mm of elastomeric high-density barrier coupled with 10 mm rubber elastomeric foamed sheet made of FEF and aluminium covering. Available in different thicknesses.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES	from -45 °C to +130 °C*	EN 14706
THERMAL CONDUCTIVITY λ (FEF)	At mean temp. of 0 °C ≤ 0,039 W/m•K At mean temp. of 40 °C ≤ 0,043 W/m•K	EN 12667
WEIGHT	Approx. 4,5 kg/m ²	ASTM D 1662
MEASUREMENT OF NOISE FROM WASTE WATER INSTALLATIONS		
REDUCTION OF AIR-BORNE SOUND TRANSMISSION	Flow rate 0,5l/s 1l/s 2l/s 4l/s dB (A) 12 12 10,5 10,5	UNI EN 14366
STRUCTURE-BORNE SOUND LEVEL	Flow rate 0,5l/s 1l/s 2l/s 4l/s dB (A) 15,5 16,6 18,4 19,6	
SOUNDPROOFING POWER INDEX Rw	27 dB (-1; -4)	EN ISO 140-3 - UNI EN ISO 717-1
HARDNESS (high-density only 2mm layer)	80 ± 10 Shore A	ASTM D 2240 / UNI EN ISO 868 / DIN 53505
TENSILE STRENGTH (high-density only 2mm layer)	> 1 N/mm ²	ASTM D 412 / DIN 53504 / UNI 6065
ELONGATION AT BREAK (high-density only 2mm layer)	> 20 %	—
FIRE PERFORMANCE - EUROCLASS	C-s2,d0	EN 13501 - 1
ANTIMICROBIAL BEHAVIOUR	EXCELLENT	—

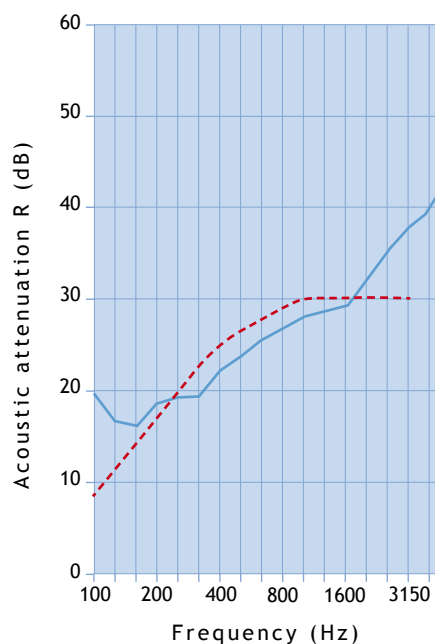
SOUND REDUCTION INDEX

01/26

(Ref. European Standard UNI EN ISO 140-3 and 717-1)

FREQ. Hz	R dB
100	20,4
125	15,8
160	14,9
200	17,4
250	18,5
315	18,7
400	21,3
500	21,9
630	23,9
800	25,3
1000	26,7
1250	28,1
1600	28,7
2000	29,4
2500	31,0
3150	35,2
4000	38,6
5000	44,0

R_w (C;C_{tr}) = 27 (-1;-4) dB



— Tested product - - - - - Curve ISO 717-1

*Maximum temperature for adhesive versions: 90°C

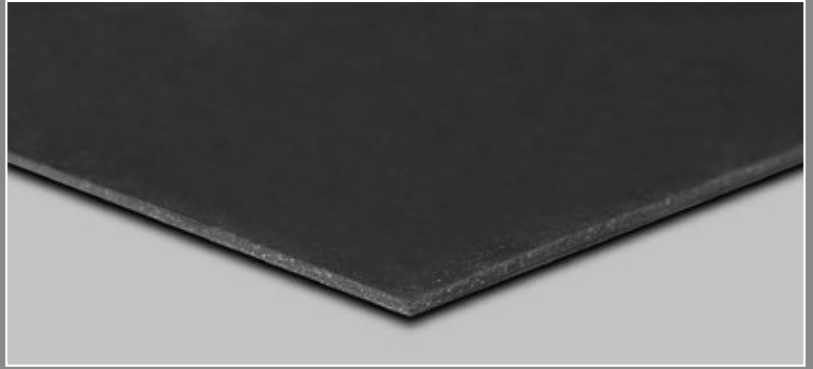
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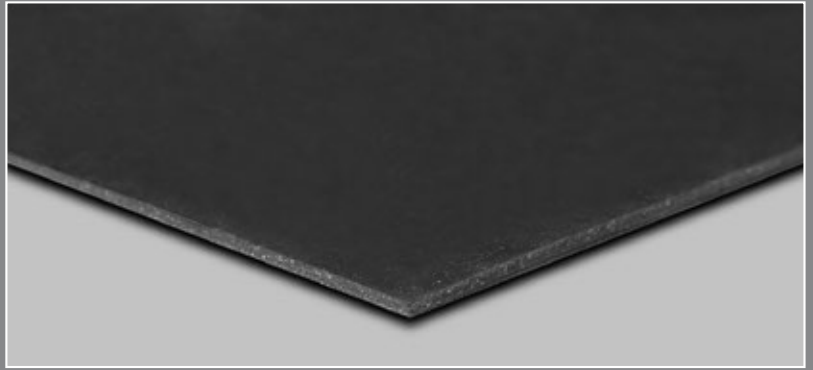
EVOSOUND HD

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



EVOSOUND FR

A range of sound-proofing high density polymers compound sheets with excellent fire performance. It is ideal for solving acoustic insulation problems of various structural and plant components in building and industry.



EUROSOUND NAV

A range of sound-proofing high density polymers compound sheets with a white covering. An ideal acoustic solution for structural and system components in the shipbuilding sector.



EVOSOUND HD - EVOSOUND FR - EUROSOUND NAV

Technical data sheet

MATERIAL

A soundproofing material made of a polymeric compound and high density mineral fillers. The product is free of lead, unrefined aromatic oils and bitumen and does not contain substances which are hazardous to human health.

PRODUCT RANGE

Available in sheets and rolls in a range of thicknesses from 1 mm to 5 mm and in widths up to 1200 mm.

PRODUCT APPLICATION

A flexible high performance noise barrier useful for reducing airborne sound transmission and as a component of an acoustic system with good low frequency sound barrier characteristics.

SPECIFIC COMPOSITION

Compound composed of a 2 mm elastomeric high-density barrier. Available in different thicknesses.

Technical information	Reference data		Test standards
	HD and FR TYPE	NAV TYPE	
SERVICE TEMPERATURES	-20 °C / +110 °C	-30 °C / +90 °C	EN 14706
WEIGHT	1,90 ± 0,1 g/cm ³	2,1 ± 0,1 g/cm ³	EN ISO 1183-1 and 2
HARDNESS* (SHORE A)	80 ± 10 Shore A	85 ± 10 Shore A	EN ISO 868
TENSILE STRENGTH*	> 1 N/mm ²	> 1 N/mm ²	DIN 53504 / UNI 6065
ELONGATION AT BREAK*	> 20 %	> 20 %	DIN 53504 / UNI 6065
FIRE PERFORMANCE	FR: B-s2,d0		EN 13501-1
SHIPYARDS (MED)		EUROSOUND NAV MEETS REQUIREMENTS	IMO RES. MSC 307 (88) IMO MSC/Circ. 1004 MED 2014/90/EU Modules B and D
WEIGHTED SOUND REDUCTION INDEX (R _w) – AIRBORNE SOUND INSULATION RATING	26 dB(-1;-4)		EN ISO 10140-1, EN ISO 10140-2, EN ISO 717-1:2013

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

01/26

Maximum temperature for adhesive versions: 90 °C

Please note that the insulating material is not designed to operate in direct contact with the conveyed fluid. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice. For specific requirements, please contact our Technical Department. The latest specific documentation and certifications issued are available upon registration on our website at: www.evocellmobius.it

Storage of adhesive-backed products: not exceeding one year.

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EVOSOUND OC



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



EVOSOUND OC

Technical data sheet

MATERIAL

Granulated Flexible Elastomeric Foam (FEF) held together by a polyurethane resin binder.

PRODUCT APPLICATION

Acoustic absorption.

PRODUCT RANGE

Sheets available in a range of thicknesses from 10 to 40 mm. Available at density of 240 kg/m³ (tolerance -20 +120 kg/m³). Different thicknesses available on request.

STORAGE CONDITIONS/ SHELF LIFE

Store the material in a clean, dry place at an ambient temperature between 0 °C and 35 °C and with relative humidity between 50% and 70%. Do not expose it to heat sources or sunlight before installation.

Technical information	Reference data	Test standards
SERVICE TEMPERATURES	-45 °C / +110 °C	
FIRE PERFORMANCE EUROCLASS	Self-extinguishing, non-flame propagating	
ACOUSTIC ABSORPTION (α)	Thk. 25 mm, Δ 240 Kg/m ³	UNI EN ISO 354
250 Hz.	0,17	
500 Hz.	0,67	
1000 Hz.	0,83	
2000 Hz.	0,84	
4000 Hz. 5000 Hz.	0,84 0,84	

01/26

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 * Please note that EVOCELL&MOBIUS insulating material is not designed to operate in direct contact with the conveyed fluid.
 For specific requirements, please contact our Technical Department.
 Storage of adhesive-backed products: no more than 1 year.

EVOSOUND OC

EVOSOUND NORUMOR



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



EVOSOUND NORUMOR

MATERIAL

Flexible polyethylene foam (PEF) with scratch resistant protective coating.

PRODUCT RANGE

Tubes in rolls with diameters from 40 to 125 mm and a thickness of 4 mm.

PRODUCT APPLICATION

Acoustic insulation of drainage systems.*

ACOUSTIC INSULATION TEST

(Ref. European Standards UNI EN ISO 10140-1-2 - UNI EN ISO 717 -)

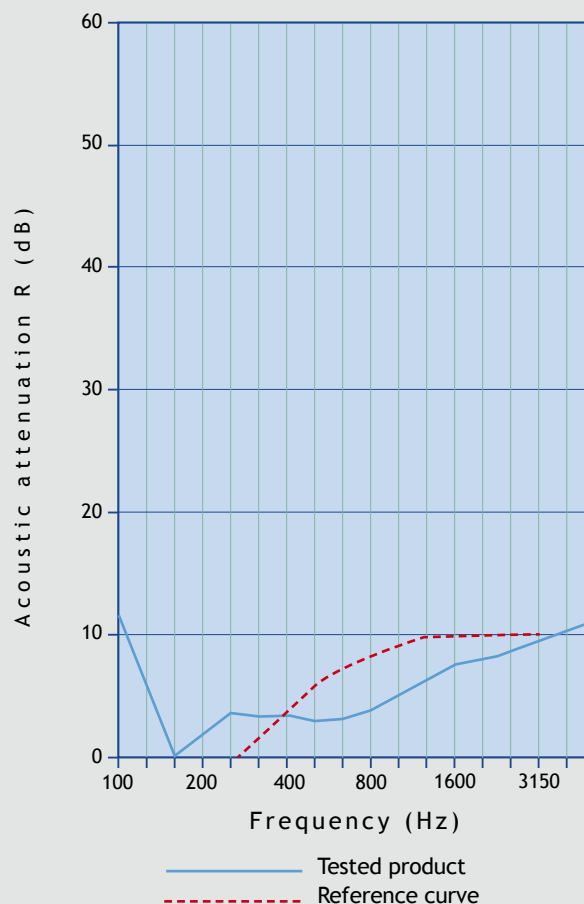
Sample area $S = 1,50 \text{ m}^2$

Volume of the receiving room $V = 69,6 \text{ m}^3$

Volume of the transmitting room 86 m^3

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

RW (C;C_{tr}) = 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)

NB: For drainage pipes, the current legislation imposes a limit of 35 dB as being the level of noise not to be exceeded in the environment.

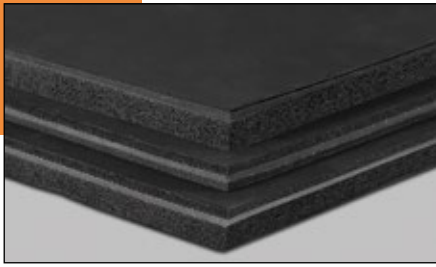
* Si precisa che il materiale isolante IT-FLEX C1 non è progettato per operare direttamente a contatto con il fluido trasportato.

NOTE: Tutte le normative citate nel presente documento si intendono aggiornate all'ultima versione rilasciata. Le ultime documentazioni e certificazioni specifiche rilasciate sono disponibili previa registrazione sul nostro sito all'indirizzo: www.evocellmobius.it

È responsabilità dell'utilizzatore finale verificare l'idoneità del prodotto all'impiego previsto, in relazione alle specifiche condizioni di utilizzo e installazione.

EVOCELL&MOBIUS si riserva la possibilità di modificare i dati sopracitati senza alcun preavviso. Si rimanda al sito internet www.evocellmobius.it per l'ultima versione.

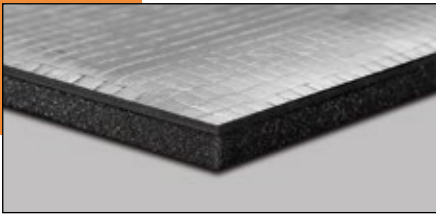
EVOSOUND HD-RUB



Code	Description	Sheet	m ² /ct
EVOSHDRUBC112	EVOSOUND HD RUB C1-12 1X2	1x2	2
EVOSHDRUBC112SA	EVOSOUND HD RUB C1-12 1X2 ADHESIVE	1x2	2

Different thicknesses available on request.
(Available in self-adhesive version)
Packaging dimensions: 103 x 20 x 20 cm = (volume = 0.04 m³).

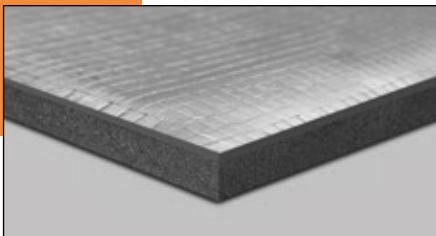
EVOSOUND HD-RUB LFS



Code	Description	Sheet	m ² /ct
EVOSHDRUBLFSC112	EVOSOUND HD RUB LFS C1-12 1X2	1x2	2
EVOSHDRUBLFSC112SA	EVOSOUND HD RUB LFS C1-12 1X2 ADHESIVE	1x2	2

Different thicknesses available on request.
(Available in self-adhesive version)
Packaging dimensions: 103 x 20 x 20 cm = (volume = 0.04 m³).

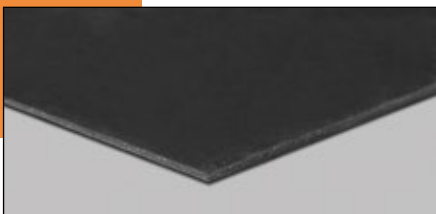
EVOSOUND HD-RUB/HF



Code	Description	Sheet	m ² /ct
EVOSHDRUBHF12	EVOSOUND HD RUB HF-12 1X2	1x2	2
EVOSHDRUBAHF12	EVOSOUND HD RUB HF-12 1X2 ADHESIVE	1x2	2

Different thicknesses available on request.
Packaging dimensions: 103 x 20 x 20 cm = (volume = 0.04 m³).

EVOSOUND HD



Code	Thk.	Description	Bobbin/m	Sheet	m ² /ct
EVOSHD4KG/M2	2 mm	EVOSOUND HD 4KG/M ² (mass)	50	1x2	2
EVOSHD6KG/M2	2,5 mm	EVOSOUND HD 5KG/M ² (mass)	50	1x2	2
EVOSHD8KG/M2	4 mm	EVOSOUND HD 8KG/M ² (mass)	25	1x2	2
EVOSHD10KG/M2	5 mm	EVOSOUND HD 10KG/M ² (mass)	25	1x2	2

EVOSOUND FR



Code	Thk.	Description	Bobbin/m	Sheet	m ² /ct
EVOSHDFR4KG/M2	2 mm	EVOSOUND HD 4KG/M ² (mass)	50	1x2	2
EVOSHDFR5KG/M2	2,5 mm	EVOSOUND HD 5KG/M ² (mass)	50	1x2	2
EVOSHDFR8KG/M2	4 mm	EVOSOUND HD 8KG/M ² (mass)	25	1x2	2
EVOSHDFR10KG/M2	5 mm	EVOSOUND HD 10KG/M ² (mass)	25	1x2	2

EUROSOUND NAV



Code	Thk.	Description	Bobbin/m	Sheet	m ² /ct
02ES-04-NAV	2 mm	EUROSOUND NAV 4KG/M ² (mass)	50	1x2	2
2,5ES-05-NAV	2,5 mm	EUROSOUND NAV 5KG/M ² (mass)	50	1x2	2
04ES-08-NAV	4 mm	EUROSOUND NAV 8KG/M ² (mass)	25	1x2	2

EVOSOUND OC



Code	Thk.	Description	Sheet
EVOC 2400C-10	10 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 10mm	1x2
EVOC 2400C-15	15 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 15mm	1x2
EVOC 2400C-20	20 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 20mm	1x2
EVOC 2400C-25	25 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 25mm	1x2
EVOC 2400C-30	30 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 30mm	1x2
EVOC 2400C-40	40 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 40mm	1x2

ADHESIVE

Code	Thk.	Description	Sheet
EVOC 2400C-10SA	10 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 10mm	1x2
EVOC 2400C-15SA	15 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 15mm	1x2
EVOC 2400C-20SA	20 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 20mm	1x2
EVOC 2400C-25SA	25 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 25mm	1x2
EVOC 2400C-30SA	30 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 30mm	1x2
EVOC 2400C-40SA	40 mm	AGGLOMERATED ACOUSTIC 2X1 240 OC 40mm	1x2

The sheets are supplied on 1 x 2 m pallets.
Different thicknesses available on request.

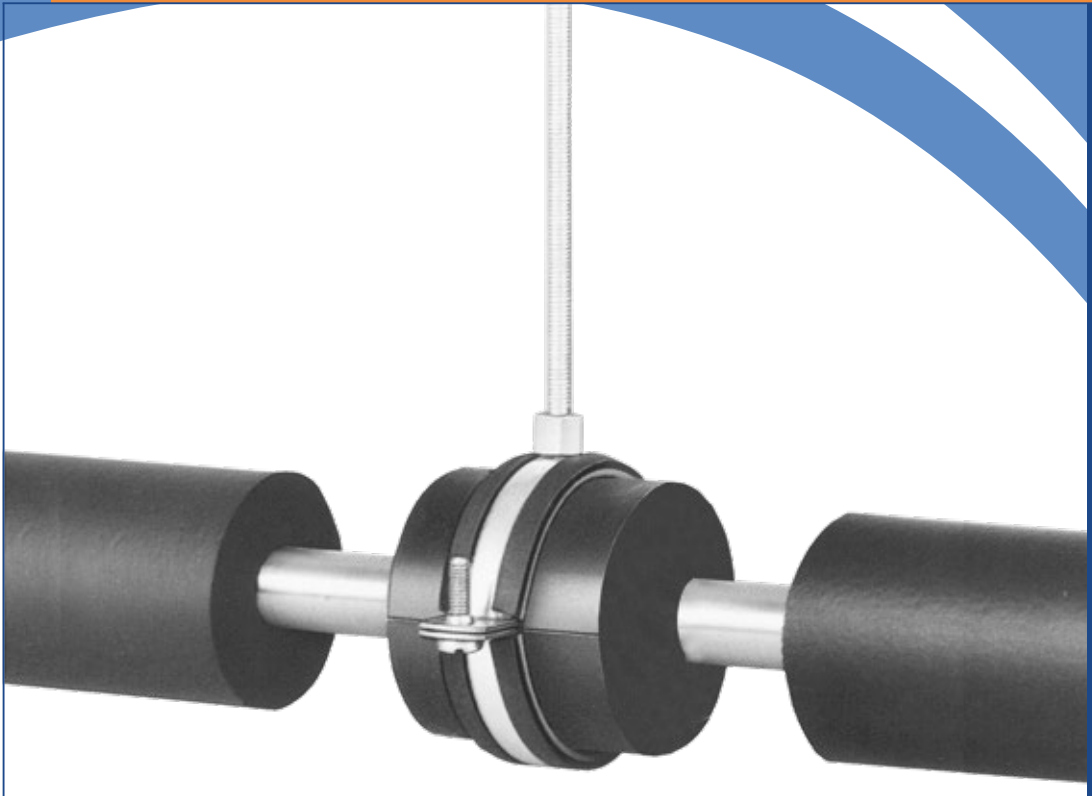
EVOSOUND NORUMOR



Code	Description	m/box
PE NORUMOR 40	POLYETHYLENE SHEATH Ø 40 Thk. 4	150
PE NORUMOR 50	POLYETHYLENE SHEATH Ø 50 Thk. 4	135
PE NORUMOR 63	POLYETHYLENE SHEATH Ø 63 Thk. 4	105
PE NORUMOR 75	POLYETHYLENE SHEATH Ø 75 Thk. 4	90
PE NORUMOR 80	POLYETHYLENE SHEATH Ø 80 Thk. 4	90
PE NORUMOR 90	POLYETHYLENE SHEATH Ø 90 Thk. 4	75
PE NORUMOR 100	POLYETHYLENE SHEATH Ø 100 Thk. 4	75
PE NORUMOR 110	POLYETHYLENE SHEATH Ø 110 Thk. 4	75
PE NORUMOR 125	POLYETHYLENE SHEATH Ø 125 Thk. 4	60

Acoustic insulation in rolls, length 15 m, thickness 4 mm.
Different thicknesses available on request.
Packaging dimensions: 106 x 52 x 52 cm = (volume = 0.29 m³).

IT-FLEX TUBE SUPPORTS



Closed-cell microcellular structure

Excellent insulation performance

High resistance to water vapour diffusion

High mechanical resistance

High compression resistance

Quick and easy to install

λ at 10 °C \leq 0,036 W/m•K

IT-FLEX TUBE SUPPORTS

IT-FLEX TUBE SUPPORTS

MATERIAL

Expanded polyurethane foam (PIR) coupled to flexible elastomeric foam (FEF) and external cover in PVC and/or PVC-ALU-UV resistant protective film.

PRODUCT SPECIFICATIONS

Composite thermal insulation to optimize connections between the support brackets and the insulated pipeworks.

PRODUCT RANGE

Tube supports with diameters from 18 to 170 mm and thicknesses from 13 to 32 mm.
Length 50 mm.

PRODUCT APPLICATION

Mechanical protection, condensation prevention and to safeguard the properties of the insulation material on pipeworks in general.

MAIN CHARACTERISTICS

The PIR foam uses CO₂ as the expanding agent.

Technical information	Reference data	Test standards
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TECHNICAL CHARACTERISTICS OF THE POLYURETHANE INSULATION

DENSITY	ca. 80 kg m ³ *	ISO 845
SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids	+ 120 °C - 180 °C	
THERMAL CONDUCTIVITY λ	At mean temp. of 10 °C 0,032 W/m·K	ASTM C 518

TECHNICAL DATA OF EXTERNAL COATING

COLOUR	BLACK RAL 9005	ALUMINIUM
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Please note that IT-FLEX C1 insulation material is not designed to operate in direct contact with the transported fluid.

All standards cited in this document are intended to be updated to the latest released version. The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation.

EVOCELL&MOBIUS reserves the right to modify the above data without prior notice. Please refer to the website www.evocellmobius.it

for the latest version.

Storage: not more than one year.

IT-FLEX TUBE SUPPORTS

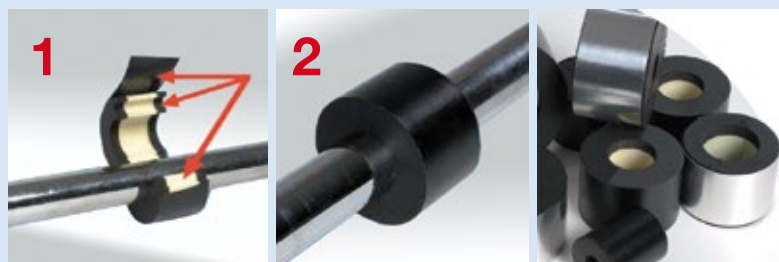
FOR PIPING WITH A BLACK PVC COVERING

Thickness 13 mm		Thickness 19 mm		Thickness 25 mm		Thickness 32 mm	
ø piping (mm)	Code	ø piping (mm)	Code	ø piping (mm)	Code	ø piping (mm)	Code
18	EV3SUP13x018	18	EV3SUP19x018	18	EV3SUP25x018	18	EV3SUP32x018
22	EV3SUP13x022	22	EV3SUP19x022	22	EV3SUP25x022	22	EV3SUP32x022
28	EV3SUP13x028	28	EV3SUP19x028	28	EV3SUP25x028	28	EV3SUP32x028
35	EV3SUP13x035	35	EV3SUP19x035	35	EV3SUP25x035	35	EV3SUP32x035
42	EV3SUP13x042	42	EV3SUP19x042	42	EV3SUP25x042	42	EV3SUP32x042
48	EV3SUP13x048	48	EV3SUP19x048	48	EV3SUP25x048	48	EV3SUP32x048
54	EV3SUP13x054	54	EV3SUP19x054	54	EV3SUP25x054	54	EV3SUP32x054
60	EV3SUP13x060	60	EV3SUP19x060	60	EV3SUP25x060	60	EV3SUP32x060
64	EV3SUP13x064	64	EV3SUP19x064	64	EV3SUP25x064	64	EV3SUP32x064
67	EV3SUP13x067	67	EV3SUP19x067	67	EV3SUP25x067	67	EV3SUP32x067
70	EV3SUP13x070	70	EV3SUP19x070	70	EV3SUP25x070	70	EV3SUP32x070
76	EV3SUP13x076	76	EV3SUP19x076	76	EV3SUP25x076	76	EV3SUP32x076
80	EV3SUP13x080	80	EV3SUP19x080	80	EV3SUP25x080	80	EV3SUP32x080
89	EV3SUP13x089	89	EV3SUP19x089	89	EV3SUP25x089	89	EV3SUP32x089
102	EV3SUP13x102	102	EV3SUP19x102	102	EV3SUP25x102	102	EV3SUP32x102
108	EV3SUP13x108	108	EV3SUP19x108	108	EV3SUP25x108	108	EV3SUP32x108
114	EV3SUP13x114	114	EV3SUP19x114	114	EV3SUP25x114	114	EV3SUP32x114
125	EV3SUP13x125	125	EV3SUP19x125	125	EV3SUP25x125	125	EV3SUP32x125
133	EV3SUP13x133	133	EV3SUP19x133	133	EV3SUP25x133	133	EV3SUP32x133
140	EV3SUP13x140	140	EV3SUP19x140	140	EV3SUP25x140	140	EV3SUP32x140
160	EV3SUP13x160	160	EV3SUP19x160	160	EV3SUP25x160	160	EV3SUP32x160

20/25 PIECES PER BOX

Mounting instructions:

- 1 - mount the support on the piping and glue the surfaces with 850 adhesive.
- 2 - Close and seal the support.

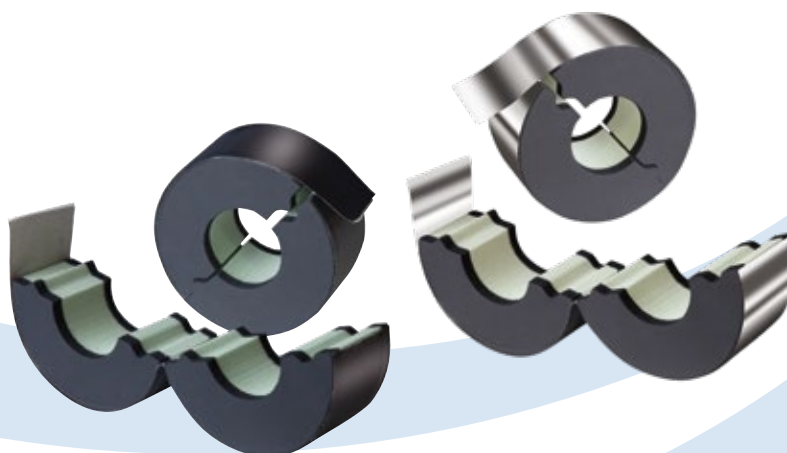


IT-FLEX TUBE SUPPORTS

FOR PIPING WITH EXTERNAL COATING IN PVC/ALUMINIUM/
PROTECTIVE UV FILM

Thickness 13 mm		Thickness 19 mm		Thickness 25 mm		Thickness 32 mm	
ø piping (mm)	Code	ø piping (mm)	Code	ø piping (mm)	Code	ø piping (mm)	Code
18	EV3SAU13x018	18	EV3SAU19x018	18	EV3SAU25x018	18	EV3SAU32x018
22	EV3SAU13x022	22	EV3SAU19x022	22	EV3SAU25x022	22	EV3SAU32x022
28	EV3SAU13x028	28	EV3SAU19x028	28	EV3SAU25x028	28	EV3SAU32x028
35	EV3SAU13x035	35	EV3SAU19x035	35	EV3SAU25x035	35	EV3SAU32x035
42	EV3SAU13x042	42	EV3SAU19x042	42	EV3SAU25x042	42	EV3SAU32x042
48	EV3SAU13x048	48	EV3SAU19x048	48	EV3SAU25x048	48	EV3SAU32x048
54	EV3SAU13x054	54	EV3SAU19x054	54	EV3SAU25x054	54	EV3SAU32x054
60	EV3SAU13x060	60	EV3SAU19x060	60	EV3SAU25x060	60	EV3SAU32x060
64	EV3SAU13x064	64	EV3SAU19x064	64	EV3SAU25x064	64	EV3SAU32x064
67	EV3SAU13x067	67	EV3SAU19x067	67	EV3SAU25x067	67	EV3SAU32x067
70	EV3SAU13x070	70	EV3SAU19x070	70	EV3SAU25x070	70	EV3SAU32x070
76	EV3SAU13x076	76	EV3SAU19x076	76	EV3SAU25x076	76	EV3SAU32x076
80	EV3SAU13x080	80	EV3SAU19x080	80	EV3SAU25x080	80	EV3SAU32x080
89	EV3SAU13x089	89	EV3SAU19x089	89	EV3SAU25x089	89	EV3SAU32x089
102	EV3SAU13x102	102	EV3SAU19x102	102	EV3SAU25x102	102	EV3SAU32x102
108	EV3SAU13x108	108	EV3SAU19x108	108	EV3SAU25x108	108	EV3SAU32x108
114	EV3SAU13x114	114	EV3SAU19x114	114	EV3SAU25x114	114	EV3SAU32x114
125	EV3SAU13x125	125	EV3SAU19x125	125	EV3SAU25x125	125	EV3SAU32x125
133	EV3SAU13x133	133	EV3SAU19x133	133	EV3SAU25x133	133	EV3SAU32x133
140	EV3SAU13x140	140	EV3SAU19x140	140	EV3SAU25x140	140	EV3SAU32x140
160	EV3SAU13x160	160	EV3SAU19x160	160	EV3SAU25x160	160	EV3SAU32x160

N.B. The metal collars are supplied in request.



IT-FLEX ACCESSORIES



- Adhesive elastomeric tapes
- Self-adhesive insulation tapes in PE and PVC
- Aluminium self-adhesive insulation tapes
- Aluminium endcappings
- Accessories for installing foils and PVC T fittings
- Glues
- Detergents
- Elastomeric paints

CNX ADHESIVE

Coverage of adhesive on sheets
approx. 3-4 mq/kg

Coverage of adhesive applied to both the surfaces of the tubes	Tube thickness mm	m/kg
	6	200
	9	130
	13	90
	19	40
	25	30
	32	20

Drying time before gluing from 5/10 minutes at a room-temperature of 20 °C

ALUMINIUM JOINTING TAPES

TECHNICAL DATA

Working temperature range	from - 40 °C to + 80 °C
Tape thickness	mm 0,025
Elongation at break	3%
Fire behaviour	Nonflammable (DIN 4102 Norm)
Storage conditions	at approx. 20/25 °C with relative air humidity max 65%

PVC JOINTING TAPES

TECHNICAL DATA

Fire behaviour	B1 (DIN 4102)
Tape thickness	mm 0,10
Tensile strength	MPa 15
Elongation at break	125%
Temperature limit	+ 80 °C
Storage conditions	at approx. 20/25 °C with relative air humidity max 65%

SELF-ADHESIVE ELASTOMERIC TAPES

Working temperature range	from - 40 °C to + 86 °C
Dimensions	Thk. 3 mm. Width 50 mm. Length 10 m.

COLOURED ELASTOMERIC PAINTS

TECHNICAL DATA

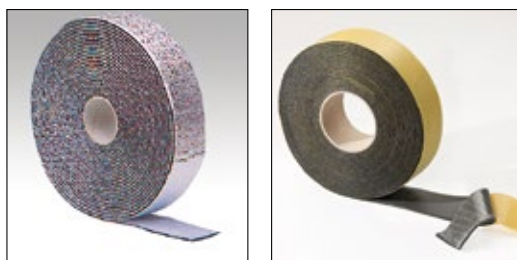
Available colours	Grey - White Blue - Red on request
Density	1,25 - 1,35 Kg/dm ³ at 20 °C
Temperature range	from - 50 °C to + 120 °C
Application temperature	from 5 °C to + 30 °C
Drying time	1 - 2 hours
Coverage by surface	5 mq/l
Packaging	3 l tins or 20 l tubs

Performance on insulating pipes m/l

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

ALUMINIUM ENDCAPPINGS

mm 18 for insulating pipes with a diameter between 24 and 34 mm
 mm 23 for insulating pipes with a diameter between 43 and 49 mm
 mm 28 for insulating pipes with a diameter between 61 and 90 mm
 mm 38 for insulating pipes with a diameter between 102 and 115 mm



ELASTOMERIC TAPES

IT-FLEX

SELF-ADHESIVE ELASTOMERIC TAPES

Thickness 3 mm

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTRON3	10	50	24
EV8NASTRON315	15	50	12
EV8NASTRON100	10	100	12
EV8NASTRON315AT	15	50	12

IT-FLEX PE AL

SELF-ADHESIVE ELASTOMERIC TAPES

Thickness 1,5 mm

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTROPEAL	25	50	12

IT-FLEX UV PROTECTION

SELF-ADHESIVE ELASTOMERIC TAPES

Thickness 3 mm

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTROUV	10	50	24

Packaging dimensions: 45 x 32 x 45 cm - Packaging volume = 0,06 m³ (length 10)

Packaging dimensions: 56 x 31 x 29 cm - Packaging volume = 0,05 m³ (length 15)

IT-FLEX COVER

SELF-ADHESIVE TAPE

Thickness 80 µm

Code	Dimensions Width (mm) x Length (m)	Packaging content (pcs./box)
EV8NASTCOVE25	25 x 50	48
EV8NASTCOVE50	50 x 50	24

Packaging dimensions: 44 x 44 x 31 cm - Packaging volume = 0,06 m³



IT-FLEX

PVC ADHESIVE JOINTING TAPES

Code	Colour	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTRNCN25	Black	25	25	96
EV8NASTRNCN38	Black	25	38	60
EV8NASTRNCG25	Grey	33	25	90
EV8NASTRNCG50	Grey	33	50	18

IT-FLEX C1 R

WHITE PVC JOINTING TAPES

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTRNCB25	25	38	60



IT-FLEX

ALUMINIUM JOINTING TAPES

Code	Roll length (m)	Roll width (mm)	Packaging content (pcs./box)
EV8NASTRNCA25	50	25	Loose
EV8NASTRNCA50	50	50	Loose

JOINTING TAPES

IT-FLEX

ALUMINIUM ENDCAPPINGS



Code	ø Piping from mm - to mm	Roll length (m)	Packaging content (pcs./box)
EV8TA18	22 - 34	10	5
EV8TA23	43 - 49	10	5
EV8TA28	61 - 90	10	5
EV8TA38	102 - 115	10	5

IT-FLEX

VARIOUS ACCESSORIES



Code	Description	Packaging content (pcs.)
EV8PNT	Straight awl	1
EV8CHIODINI	Plastic tacks	1000

IT-FLEX

GLUES, DETERGENTS, PAINTS



Code	Description	Packaging content (pcs.)
EV8AB850	850 g tin	12
EV8AB425	425 g tin	24
EV8AB425AT	425 g tin	24
EV8DETERGENTE	da 1 l can	12
EV8ACVEG-G	0,75 l can of grey elastomeric paint	loose
EV8ACVEG-B	0,75 l can of white elastomeric paint	loose
EV8AB425P	425 g tin with brush	12
EV8AB200P	200 g tin with brush	24
EV8AB2300	2300 g tin	6

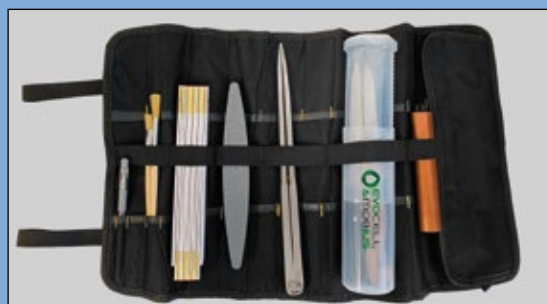
KIT OF THREE KNIVES IN PLASTIC TUBE

Composed of	
No. 1	90 mm smooth blade knife. Length - 180 mm
No. 1	170 mm smooth blade knife. Length - 280 mm
No. 1	150 mm smooth blade knife. Length - 300 mm



COMPLETE BAG

Composed of	
No. 1	90 mm smooth blade knife. Length - 180 mm
No. 1	170 mm smooth blade knife. Length - 280 mm
No. 1	150 mm smooth blade knife. Length - 300 mm
No. 1	meterstick
No. 1	compass
No. 1	10 mm brush
No. 1	14 mm brush
No. 1	pumice stone
No. 1	stylus pen
No. 1	copper pipe



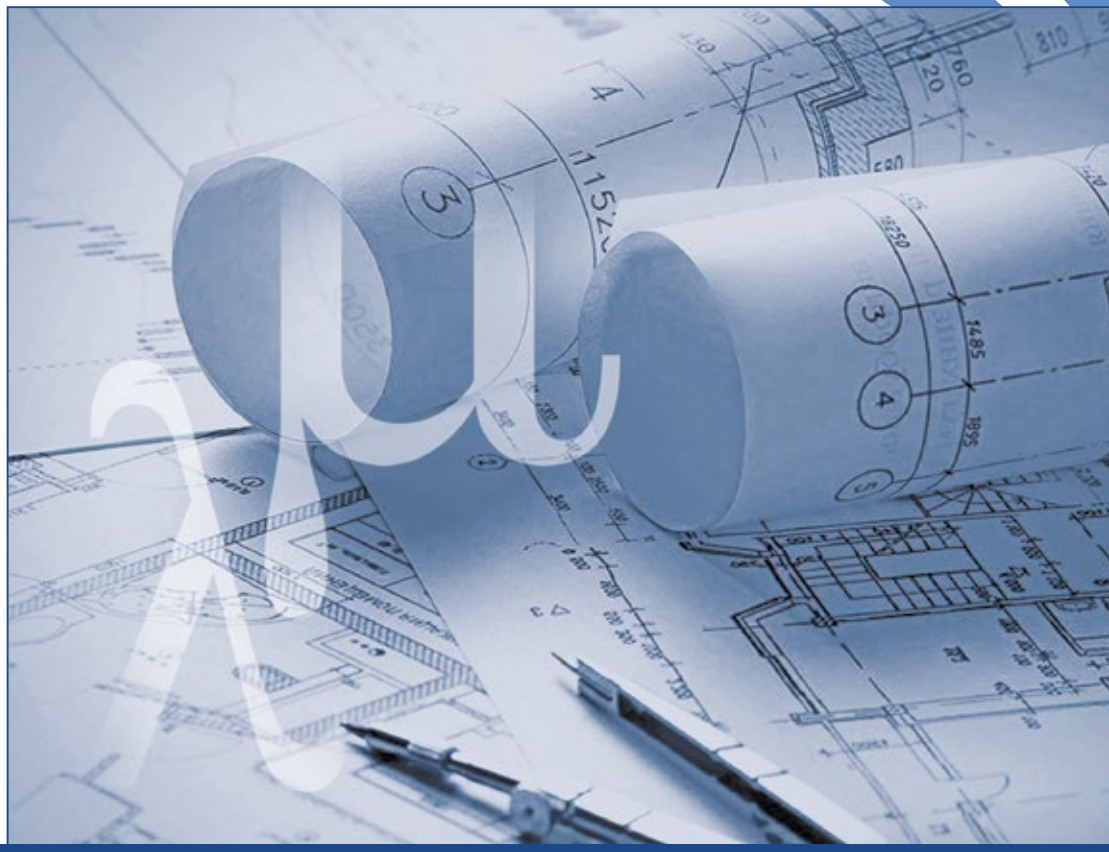
GLUE PUMP WITH 17 mm BRUSH

Description	
Glue pump with 17 mm brush	



IT-FLEX

TECHNICAL DOCUMENTATION



Dimensional tolerances specified by European Product Standard EN 14304

Dimensions in mm

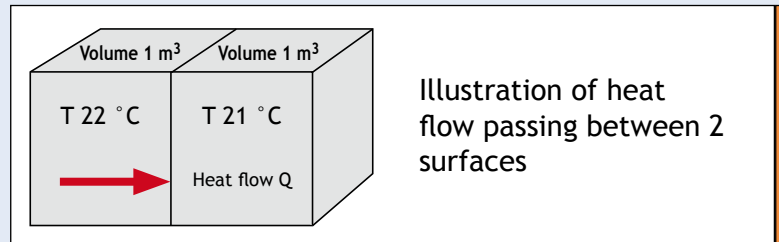
Key: D_i = \emptyset inside diameter - D_{iD} = \emptyset inside nominal diameter (Ref. Tubes) - d_D = Nominal thickness

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

Dimensional tolerances

Thermal conductivity λ and insulation materials

- Thermal conductivity is defined by the λ (lambda value) symbol, and represents the quantity of heat passing through the contact surfaces of two materials, both of which have a volume of 1 cubic meter and a difference in temperature of 1 °C.



- Thermal conductivity is measured in $W/m \cdot K$ and materials are considered insulation materials when their thermal conductivity λ value is lower than $0,100 W/m \cdot K$.
- Materials with the lowest λ value are considered as having the best insulation properties.
- For insulating materials, the main parameters which influence thermal conductivity are as follows:
 - Chemical composition of the material
 - Density (in general, a higher density corresponds to a higher λ value and therefore less effective insulating properties).
 - Characteristics of the cell structure














- It is important to be able to simulate and stabilize the air quantity contained in its structure in order to guarantee an optimal λ value.
- Due to its intrinsic characteristics (compact microcellular structure, dimensions of cells and high number of closed-cells), black closed-cell flexible elastomeric foam Insulation material (FEF) has low thermal conductivity values, which must meet the maximum values for these materials stipulated by the recent European Standard EN 14304 and should not exceed a value of $0,050 W/m \cdot K$ (at a mean working temperature of 10 °C).

The following table defines the thermal conductivity values of the **IT-FLEX C1** insulation material at the different mean temperatures as specified on the certificates issued by specialized laboratories.

MEAN TEMPERATURE °C	0	+20	+40	SPESSORI
$\lambda (W/m \cdot K) \leq$	0,033	0,035	0,037	PIPES 6-25 mm SHEETS 3-32 mm

EUROCLASS - APPLICATION TABLE

Reaction to fire classes		Smoke classes			Dripping classes		
A1	Incombustible	No test required			No test required		
A2	 Non Combustible	s1		Limited or absent	d0		Absent for the first ten minutes
B		s2		Present	d1		Low dripping of incandescent material for less than 10 seconds
C							
D							
E		s3		Significant	d2		Significant
F							
N.d.P. Performance not declared							

TEST REGULATION AND EUROPEAN CLASSIFICATION

EN 13501-1:2002	Fire classification of building products. Part 1 Fire behaviour
EN 13238:2001	Method of air-conditioning
EN ISO 1182: 2002	Non-combustibility test
EN ISO 1716:2002	Calculation of calorific values
EN ISO 11925-2:2002	Flammability of construction products in direct contact with flame
EN 13823:2002	Fire behaviour test for construction products excluding floors (S.B.I. test)
EN ISO 9239-1:2002	Fire behaviour test for floors (radiant panel)

The CE Marking of flexible elastomeric foam (FEF)

N.B

In the new european classification for all classes from **A2** to **E**, additional characteristics are required that are marked by the letters:

s = smoke

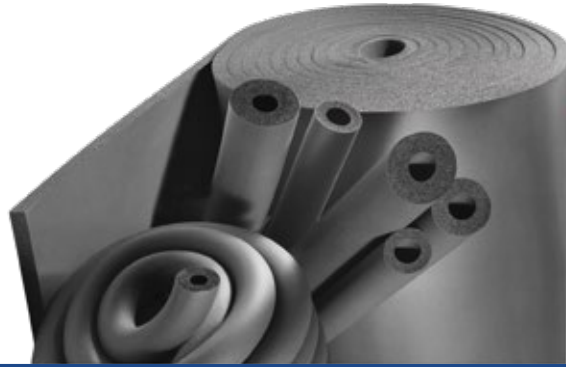
d = dripping

and should be included to the initial classification.

If tests are carried out separately on tubes, the initial classification will have a subscript **B_L**, and for sheets it will be only **B**, as indicated below:

-B_L (tubes)

-B_{FL} (pavements)



Evocell&Mobius S.r.l.

IT-FLEX - Insulation Systems

01/2026

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Evocell&Mobius S.r.l.
Via D. Albertario, 63/65
Zona industriale Bellocchi
61032 Fano (PU) - ITALY
Tel. +39 0721 855099
info@evocellmobius.it
www.evocellmobius.it