

EUROBATEX® HIGH TECHNOLOGY

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

Its classification **Euroclass B_{1-s1,d0}/B-s_{2,d0}** allows a wide range of applications in both building and industrial installations, even the most demanding in terms of fire protection and safety standards. The product is also suitable for **marine applications**.

APPLICATIONS FIELDS



Industrial



Refrigeration



Building



Marine



Heating & Plumbing



Oil & Gas



Air Conditioning



Outdoor applications



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TYPE OF MATERIAL:	Black closed-cell flexible elastomeric foam (FEF) covered with a mineral fibre based jacketing with black external quality finish. Does not contain halogens (Chlorine, Bromine, Fluorine) and PVC
PRODUCT RANGE:	Self-adhesive pipe sections of 1 m with thicknesses from 13 to 25 mm and diameters from 14 to 170 mm. Sheets in rolls (also in self-adhesive version) with thickness from 6 to 32 mm
FIELDS OF APPLICATION:	Thermal insulation of refrigeration and air conditioning services in industrial, commercial and institutional applications. Especially suitable for marine and civil engineering applications working at high temperature and when a higher standard of safety in case of fire is required
DIMENSIONAL TOLERANCES:	In accordance with the European Standard EN 14304
ENVIRONMENTAL INFORMATION:	Flexible and expanded CFC and HCFC-free rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero)
ADDITIONAL INFORMATION:	Self-adhesive material: acrylate based adhesive coating reinforced with mesh structure. Protection liner made of polyolefin foil. Traces of silicon can be found on the foil protecting the self-adhesive coating
STORAGE CONDITIONS/SHELF LIFE:	Store the material in a dry and clean environments at a temperature between 0 °C and 35 °C and a RH between 50% and 70%. Do not expose the material to heat or direct sunlight when stored. The products should not be kept in storage for more than one year

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
OPERATING TEMPERATURE RANGE*	-45 °C +130 °C		EN 14706
THERMAL CONDUCTIVITY	At a mean temperature of +40 °C	$\lambda \leq 0,042 \text{ W/m-K}$	EN 12667
WATER VAPOUR DIFFUSION RESISTANCE FACTOR	$\mu \geq 10000$		EN 12086
FIRE PERFORMANCE	European Standard Euroclass	Tubes: B _L -s1,d0 Sheets: B-s2,d0	EN 13501-1
SHIPYARDS (MED) TYPE APPROVAL: RINA, LLOYD'S REGISTER	Meets test requirements		IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (MED 2014/90/EU Mod. B and D)
UV RESISTANCE	Excellent		UNI ISO 4892-2

CHARACTERISTICS OF THE COVERING

PHYSICAL PROPERTIES	REFERENCE VALUES
THICKNESS	≈ 200 μm
WEIGHT	≈ 250 g/m ²

External finishing colour: black

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

System 1 CE Marking in accordance with the European Standard EN 14304. Certification of Constancy of Performance issued by CSI S.p.A. - Bollate IT-20021.

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

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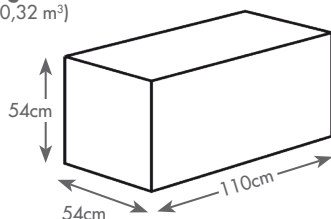
Black coloured external finishing

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

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

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

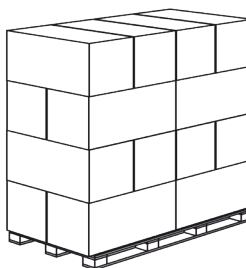
Packaging dimensions:
(volume = 0,32 m³)



Pallet dimensions:

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

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



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Black coloured external finishing

CONTINUOUS ROLLS 1000 mm WIDTH

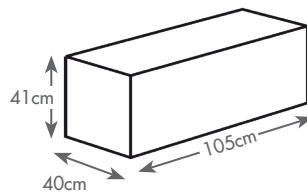
SELF-ADHESIVE

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

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

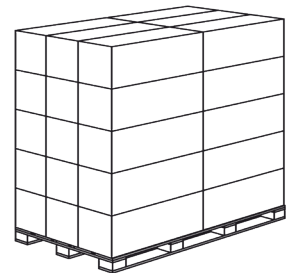


Packaging dimensions:
(volume = 0,17 m³)



Pallet dimensions:

120 x 210 x 217 cm
Volume = 5,47 m³
Box/pallet = 30



GLASTEC SELF-ADHESIVE TAPE

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



CNX S ADHESIVE

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



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

Dimensional tolerances specified by the European product Standard EN 14304

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



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