

R-FLEX®

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ELASTOMERIC INSULATION

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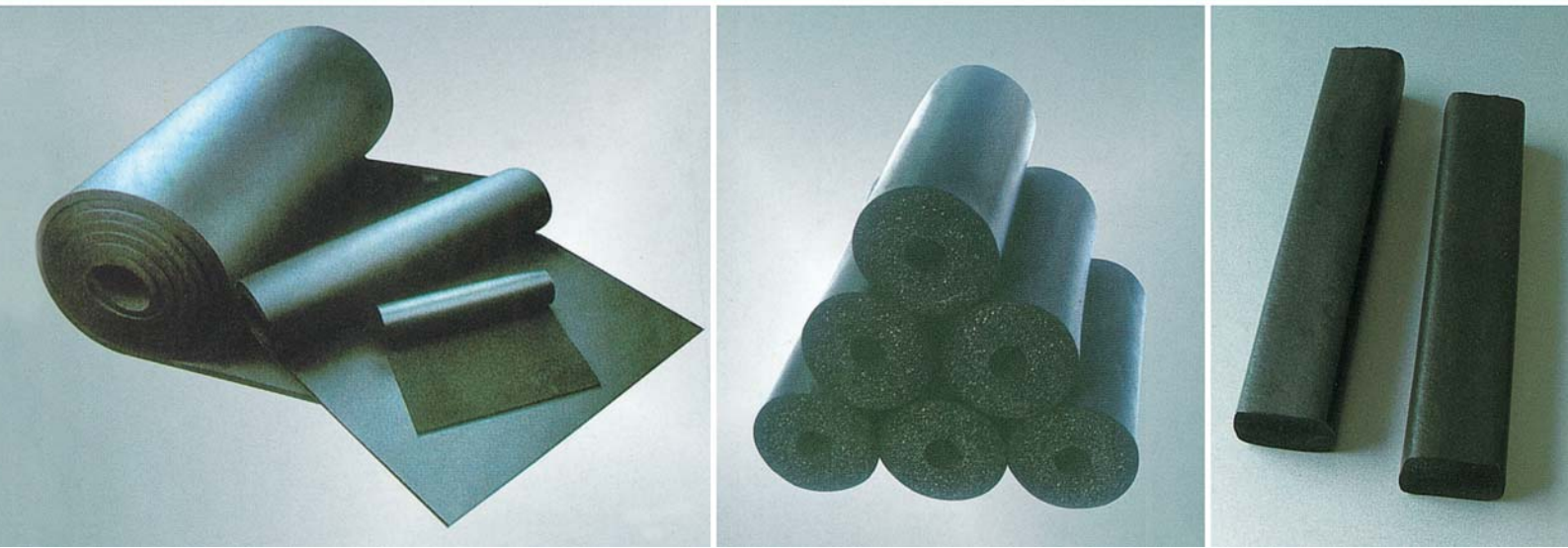
ELASTOMERIC INSULATION



Technical Characteristics

- Type of material:** Flexible rubber insulation material, CFC free.
- Field of application:** Heating, air conditioning, refrigeration, sanitary and plumbing installations, thermal insulation in heavy duty situations.
- Range of production:** TUBE thickness 13, 19, 25, 32 mm - Ø from 10 to 139 mm.
SHEET thickness 6, 9, 13, 16, 19, 25, 32, 40 mm.

PHYSICAL PROPERTIES	TECHNICAL DATA	TEST METHOD
Density	≤ 80 Kg/m ³	DIN 53420
Operating temperature Max. temperature of the fluid handled Min. temperature of the fluid handled	+105°C -45°C	
Thermal conductivity λ at -40°C at -20°C at 0°C at +20°C at +40°C	0.028 W(m · K) 0.030 W(m · K) 0.033 W(m · K) 0.036 W(m · K) 0.039 W(m · K)	DIN 52613
Permeability water vapour diffusion resistance μ	≥7000 0,09 µgm/N.h.	DIN 52615 BS 4370 DIN 52165
Fire rating U.K.	Class 0 Class 1	BS 476 Part 6 : 1989 BS 476 Part 7 : 1987
Ozone resistance	Excellent	UNI 4905
%Closed cells	>90	
Dimensional stability at +105°C at -45°C	0.3% contraction 0.5% contraction	



6 reputedly outstanding big advantages

① The effect of heat insulation is good

R-FLEX insulation material has closeness hole structure and surface is fine, hot to conduct coefficient to low and keeps steady, from cold hot medium insolate effect, therefore it is thin to use material thickness, can raise layer notes, have saved building space.

② Dampproof defence closes dew

R-FLEX insulation material as the layer of heat insulation, is also dampproof layer, need not add steam infiltration protection layer additionally; even if surface part is harmed, will not also affect overall dampproof performance.

③ Flame retardant defence smoke performance good.

R-FLEX insulation material quilt flame calcination, will not melt, it is fiery ball to will not drip, the smoke density that produces is very low and unique to will not make flame stretch. At the same time the material is tested IE ASTM E84-B and UL94V-0 and UL723.

④ Appearance luxurious is even and orderly and beautiful

R-FLEX insulation has high flexible, has soft quality, smooth surface and exterior need not be decorated, even if not hang top, it is also insurable to have high gradeness.

⑤ Installation convenience is shortcut

R-FLEX insulation material because of need not other supplementary layer, therefore installation construction is simple and shortcut, need to cut adhesion only, is maximum to have saved man-days.

⑥ With other rubber-plastic heat insulating materials the different place that compares with one hundred millions overload insulation material

The integral performance of professional quality
The way of type selecting of simple and convenient science.

STANDARD INSULATION SIZES

R-FLEX®
Tubing Sizes

R-FLEX		COPPER PIPE		IRON PIPE		TUBING-UNIT LENGTH 2 METRES					
Nominal Insulation Size ID		Nominal Size OD		Nominal Size IPS		Nominal 6mm wall		Nominal 10mm wall		Nominal 13mm wall	
mm	inch	mm	inch	mm	inch	No of Pcs Per Ctn	Total Mtrs per ctn	No of Pcs Per Ctn	Total Mtrs per ctn	No of Pcs Per Ctn	Total Mtrs per ctn
6	1/4	6	1/4			250	500	168	336	100	200
10	3/8	10	3/8			200	400	120	240	90	180
13	1/2	13	1/2	6	1/4	150	300	100	200	70	140
16	5/8	16	5/8	10	3/8	120	240	90	180	63	126
19	3/4	19	3/4			100	200	72	144	56	112
22	7/8	22	7/8	13	1/2	90	180	65	130	42	84
25	1	25	1			80	160	49	98	36	72
27	11/16	-	11/16	19	3/4			49	98	36	72
29	11/8	29	11/8	-	-			49	98	36	72
32	11/4	32	11/4	-	-			42	84	30	60
35	13/8	35	13/8	25	1			36	72	30	60
42	15/8	42	15/8	32	1 1/4			30	60	25	50
48	17/8	48	17/8	38	1 1/2			28	56	20	40
51	2	51	2	-	-			24	48	20	40
54	2 1/8	54	2 1/8					20	40	18	36
60	2 3/8	60	2 3/8	51	2			20	40	18	36
67	2 5/8	67	2 5/8					18	36	13	26
73	2 7/8	73	2 7/8	64	2 1/2 (ASTM)			18	36	13	26
76	3	76	3	64	2 1/2 (B.S.)			18	36	12	24
79	3 1/8	79	3 1/8					15	30	12	24
89	3 1/2	89	3 1/2	76	3			15	30	12	24

Standard Carton size: 2m length-2080mmx400mmx330mm(82inx16inx13in)

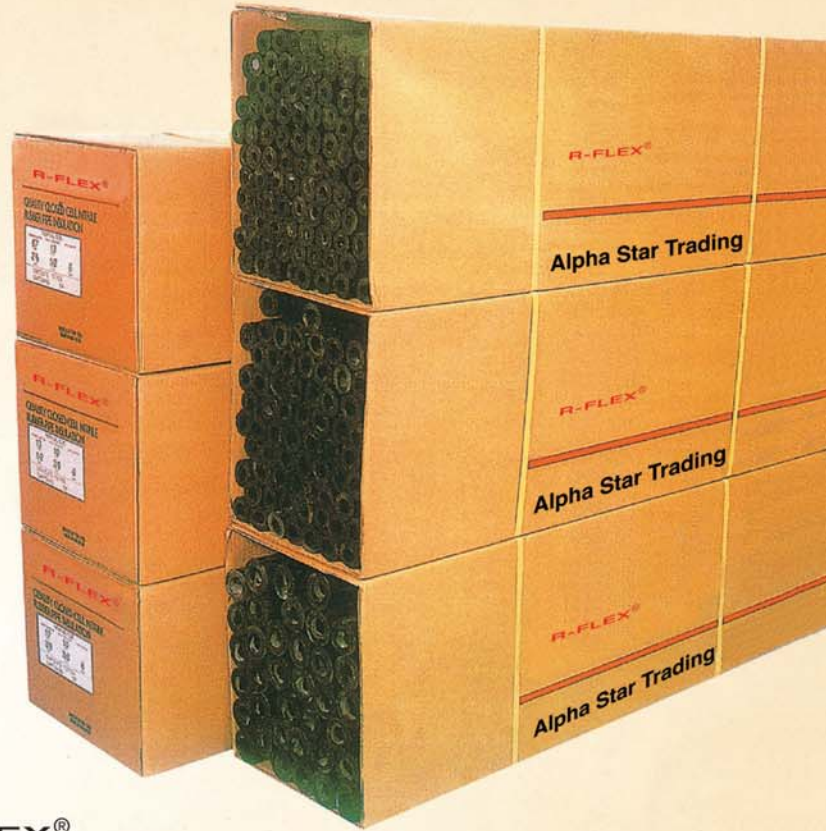
6m length-1905mmx400mmx330mm(75inx16inx13in)

Precut sheets in standard length of 1220mm are available for pipes above 76mm IPS



STANDARD INSULATION SIZES

6 FEET				
Wall	Nominal 19mm wall		Nominal 25mm wall	
Total Mtrs per ctn	No of Pcs Per Ctn	Total Mtrs per ctn	No of Pcs Per Ctn	Total Mtrs per ctn
200	48	96	-	-
180	36	72	30	60
140	30	60	28	56
126	30	60	24	48
112	26	52	20	40
84	24	48	20	40
72	20	40	18	36
72	20	40	18	36
72	20	40	18	36
60	20	40	16	32
60	18	36	15	30
50	16	32	12	24
40	12	24	10	20
40	12	24	9	18
36	12	24	9	18
36	9	18	9	18
26	8	16	8	16
26	8	16	8	16
24	8	16	8	16
24	6	12	6	12
24	6	12	6	12



R-FLEX® Sheet Sizes

STANDARD FLAT SHEETS						
Nominal Thickness		Size		No of Sheets Per Carton	Total Area Per Ctn	
mm	inch	m	ft		m ²	ft ²
3	1/8	1.22x0.914	4x3	80	89.20	960
6	1/4	1.22x0.914	4x3	40	44.60	480
9	3/8	1.22x0.914	4x3	26	28.99	312
13	1/2	1.22x0.914	4x3	20	22.30	240
15	5/8	1.22x0.914	4x3	16	17.84	192
19	3/7	1.22x0.914	4x3	14	15.61	168
25	1	1.22x0.914	4x3	10	11.15	120
31	11/4	1.00x1.220	3.281x4	8	9.76	104
38	11/2	1.00x1.220	3.281x4	7	8.54	91

Standard Carton size: 1310mmx990mmx320mm(51inx39inx12.5in)

R-FLEX® Insulation Adhesive

Type of Packing	Quantity Per Carton
1Liter	20tins
3Liter	6tins

R-FLEX® Insulation Tape

Nominal Thickness		Size Per Roll		Quantity/ Carton
mm	Inch	(mmxm)	(Inchxfoot)	
3	1/8	24x9.14	1x30	48
3	1/8	48x9.14	2x30	24

CONTINUOUS ROLLS					
Nominal Thickness		Size Per Roll		Total Area Per Roll	
mm	inch	m	ft	m ²	ft ²
3	1/8	1.22x9.14	4x30	11.15	120
6	1/4	1.22x9.14	4x30	11.15	120
9	3/8	1.22x9.14	4x30	11.15	120
13	1/2	1.22x9.14	4x30	11.15	120
15	5/8	1.22x9.14	4x30	11.15	120
19	3/7	1.22x9.14	4x30	11.15	120
25	1	1.22x9.14	4x30	11.15	120
31	11/4	1.00x1.220	3.281x30	9.14	98.43
38	11/2	1.00x1.220	3.281x30	9.14	98.43



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