



**GULF·O·FLEX<sup>®</sup>**

PRODUCT OF RUBBERWORLD

**COMPLETE RANGE OF QUALITY HVAC PRODUCTS**

# OVERVIEW

## Rubber World

Rubber World Industry LLC was established in 1993 to manufacture a comprehensive and versatile range of technically advanced Rubber NBR Insulation products. Part of the Shaikhani Group of Companies, RWI is a pioneer UAE national enterprise that has become an industry leader in the entire Gulf and South-East Asia region. Today we supply 56% of the region's requirements for Rubber NBR insulation products, and trade in the complete range of HVAC & R products. International exports to USA, Europe, Africa, and Far East Asia has enabled the company to achieve remarkable multi-million dollar revenue and overall global success.

## GULF-O-FLEX®

Having become a world leader in engineered foams, Rubber World Industry LLC developed "Gulf-O-Flex®" as our flagship brand in Rubber NBR insulation. Gulf-O-Flex® products ensure a high level of reliability through the careful selection of raw materials and constant quality control. Our continuous effort to offer the most appropriate insulation system with the perfect balance of cost ratio has been the formula for our success.

Gulf-O-Flex® products are dust free, fiber-free, CFC free, and have an ODP of zero for environmental friendly products. They are also formaldehyde free, have low VOCs, and resistant to mold and mildew. All our products comply with all major international standards.

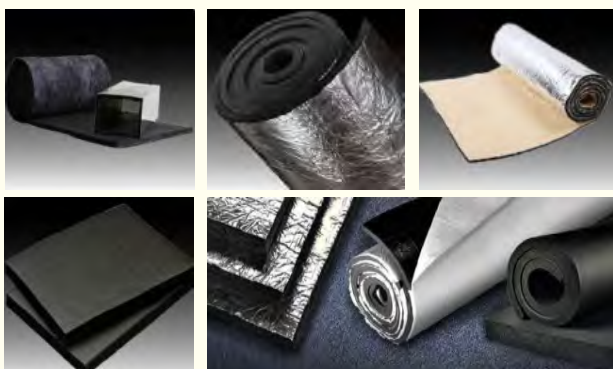
## Insulation Tube & Coil



### Tube range

- Unfaced
- Faced -FSK
- Faced -Aluglass
- Faced -Aluclad
- All available with Slit and Self Adhesive

## Insulation Sheet Rolls & Slabs



### Sheet range

- Roll
- Box
- Unfaced
- Faced -FSK
- Faced -Aluglass
- Faced -Aluclad
- Black Glass Cloth
- With Adhesive
- Without Adhesive
- Sound Resistant & Sound Proofing
- Duct Liner
- For Base Control & Vibration
- For Duct Outer Process
- For Flooring (3mm)
- For Sports Track

# TECHNICAL DATA SHEET



S. NO.	SPECIFICATIONS	INDEX	TEST METHOD
1	MATERIAL	NBR	
2	CELL STRUCTURE	CLOSED CELL	
3	DENSITY (KG/M <sup>3</sup> )	45 ± 65 KG/M <sup>3</sup>	ASTM C 302: 1995 ASTM D 3575-91
4	THERMAL CONDUCTIVITY "K" AT 35 °C MEAN TEMPERATURE	0.033 W/M-K	ASTM C 518 -17
5	TEMPERATURE LIMITS ° C CONSULT SALESPERSON FOR APPLICATIONS WITH TEMPERATURE BELOW -40°C & HIGHER THAN +120°C	-40 °C TO +105 °C	ASTM C 534
6	THERMAL STABILITY % SHRINKAGE	0.85(7 DAYS AT 105 °C)	ASTM C 534
7	FLEXIBILITY	EXCELLENT	
8	WATER ABSORPTION	0.16%	ASTM C 534 / C 534M-20 / ASTM C 209-2015
9	WATER VAPOUR PERMEABILITY PERM/MAX	0.00 PERM -IN	ASTM E 96 / 96M
10	WATER VAPOUR DIFFUSION RESISTANCE FACTOR "μ"	>7300	ASTM C 534
REACTION TO FIRE			
11	FLAMMABILITY	SELF EXTINGUISHING	
12	FIRE RATING*	CLASS 0 25/50 RATED FM APPROVED	BS 476 PART 6 & 7 ASTM E 84 FM 4924
ENVIRONMENTAL			
13	GLOBAL WARMING POTENTIAL (GWP) , OZONE DEPLETION POTENTIAL (ODP) , RESISTANCE TO ZONE	EXCELLENT	GC-MS
14	RESISTANCE TO WEATHER & UV RAYS	EXCELLENT	ASTM G 154 ASTM G 23
15	RESISTANCE TO FUNGI/MILDEW	NO FUNGAL GROWTH	ASTM G 21 ASTM C 1338
16	RESISTANCE TO BACTERIA	NEGLECTIBLE	ISO 22196
17	RESISTANCE TO CORROSION	PH NEUTRAL	ASTM C 692 EN 13468
18	DUST , FIBRE & ASBESTOS	FREE	EPA 600
19	CFC & HCFC	FREE	GC-MS
20	ODOUR	NEGLECTIBLE	SAE J1351
21	RESISTANCE TO CHEMICALS	EXCELLENT	ASTM C 871
22	LEACHABLE CHLORIDES	<0.05(WATER SOLUBLE CHLORIDE IONS)	ASTM C 692 DIN-1988
23	EMISSION (VOC) VOLATILE ORGANIC COMPOUNDS	ND	ASTM D 5116
24	REDUCTION OF HAZARDOUS SUBSTANCES (ROHS)	ND	ICP OES ICE 62321-B
ACOUSTIC PROPERTIES			
25	SOUND ABSORPTION COEFFICIENTS FREQUENCY (HZ) 1/2" (13MM) 1" (25MM) 2" (50MM)	NRC =0.38 NRC =0.49 NRC =0.55	ASTM C 423
26	SOUND TRANSMISSION CLASS	6(INSULATION) 38 (INSULATION ADHERED TO STEEL DUCT)	ASTM E-90
27	STORAGE LIFE	SELF ADHESIVE: SHEETS/ROLLS/TUBES FACING: SHEETS/ROLLS/TUBES	1- YEAR [ STORE IN DRY, CLEAN & VENTILATED SPACE ]

\* As per customer demand



## RUBBER INSULATION TUBES

INSULATION ID		WALL THK 3/8" , 9mm	WALL THK 1/2" , 13mm	WALL THK 3/4" , 19mm	WALL THK 1" , 25mm	WALL THK 1-1/4" , 32mm	WALL THK 1-1/2" , 38mm
INCHES	mm	PCS/CTN	PCS/CTN	PCS/CTN	PCS/CTN	PCS/CTN	PCS/CTN
1/4	6	168	90	50	35	15	***
3/8	10	130	80	40	25	15	***
1/2	13	115	65	40	25	15	12
5/8	16	90	60	35	20	12	8
3/4	19	76	45	30	20	12	8
7/8	22	70	40	30	20	12	8
1	25	55	40	25	20	12	8
1-1/8	29	55	36	25	18	12	8
1-1/4	32	40	30	20	15	12	6
1-3/8	35	36	30	20	15	12	6
1-1/2	38	30	24	17	12	10	6
1-5/8	41	30	25	17	10	8	6
1-7/8	48	25	20	15	9	8	6
2	51	25	20	15	9	8	4
2-1/8	54	20	20	15	9	8	4
2-3/8	60	20	18	12	8	7	4
2-1/2	64	20	15	10	8	7	4
2-5/8	67	***	15	10	6	7	4
2-7/8	73	***	15	10	6	6	3
3	76	***	12	10	6	6	3
3-1/8	79	***	12	10	6	6	3
3-1/2	89	***	10	8	4	4	3
4	102	***	6	6	4	4	3
4-1/8	105	***	6	6	4	4	3
4-3/8	111	***	6	6	4	4	3
4-1/2	114	***	6	6	4	4	2

## RUBBER INSULATION SHEET ROLLS

WALL THICKNESS		SIZE	
INCHES	mm	LENGTH (m)	WIDTH (m)
1/4	6	30	1
3/8	9	20	1
1/2	13	14	1
5/8	16	12	1
3/4	19	10	1
1	25	8	1
1-1/4	32	6	1
1-1/2	38	4	1
2	50	4	1

### Note:

- Aluglass, Adhesive & Aluminium Foil Finishing is available in same sizes.
- Tolerance: ± 5% for Length, Thickness & Internal Diameter.
- Sizes can be customised, contact salesperson for more information

## RUBBER INSULATION SHEET BOXES

WALL THICKNESS		SIZE		PCS
INCHES	mm	LENGTH (m)	WIDTH (m)	PER CARTON
1/4	6	1	1	30
3/8	9	1	1	26
1/2	13	1	1	20
5/8	16	1	1	16
3/4	19	1	1	14
1	25	1	1	10
1-1/4	32	1	1	6
1-1/2	38	1	1	4
2	50	1	1	4



# GULF-O-FLEX<sup>®</sup> ACCESSORIES



ALUMINUM TAPE



ALUGLASS TAPE



ALUMINUM FSK TAPE



ALUPET TAPE



PVC TAPE



NBR FOAM TAPE



NBR GLUE



GLUE 81-10  
(AC DUCT ADHESIVES)



FOSTER 30-36 &  
30-36 AF



SEALANT 32-17  
(ACRYLIC SEALANT)



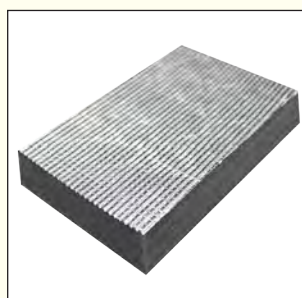
FLEXIBLE INSULATED DUCT



FLEXIBLE  
UNINSULATED DUCT



DUCT CONNECTOR



XLPE INSULATION SHEET

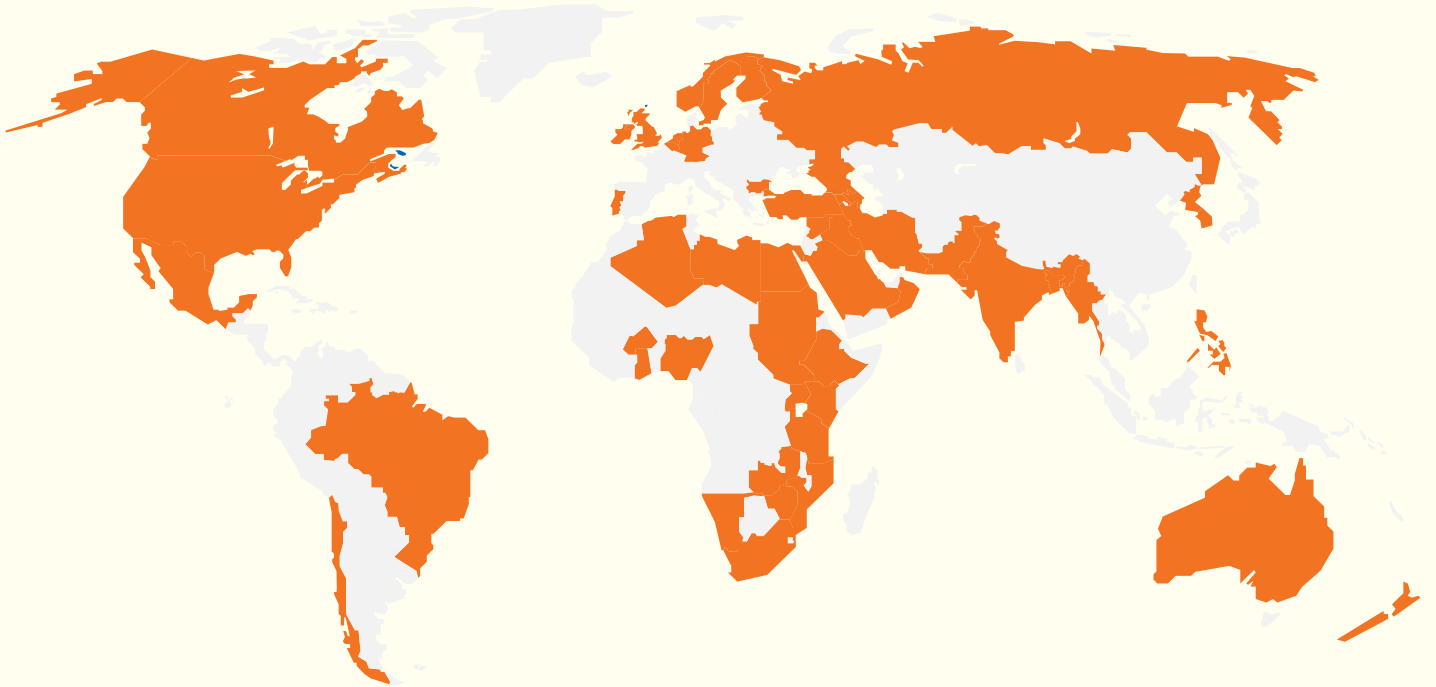


RUBBER CORK PAD



CANVAS CLOTH

## REGIONS & COUNTRIES



**AVAILABLE IN OVER 90 COUNTRIES GLOBALLY**



**RUBBER  
WORLD**  
INDUSTRY



📍 RUBBER WORLD INDUSTRY LLC  
PO Box 2435, Ajman, UAE

☎ +971 6 743 4176 📞 +971 5 5605 6463

🌐 [www.gulfoflex.com](http://www.gulfoflex.com) ✉ [rwi@gulfoflex.com](mailto:rwi@gulfoflex.com)