



GULF·O·FLEX[®]

PRODUCT OF RUBBERWORLD

COMPLETE RANGE OF QUALITY HVAC PRODUCTS

OVERVIEW

RUBBER WORLD INDUSTRY LLC

Established in 1993, Rubber World Industry LLC (RWI), a member of R&S Holding, is a pioneer UAE national enterprise and a dominant leader in the manufacturing of technically advanced Rubber NBR Insulation products. With a strong regional presence further bolstered by the 2023 opening of its engineered foam manufacturing facility in Riyadh, KSA, RWI now commands 56% of the region's market share for NBR insulation while trading in a comprehensive range of HVAC & R products. Beyond its leadership in the Gulf and South-East Asia, the company's extensive export operations to the USA, Europe, Africa, and Far East Asia have driven multi-million dollar revenues, cementing its status as a global success within the R&S Holding portfolio.

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

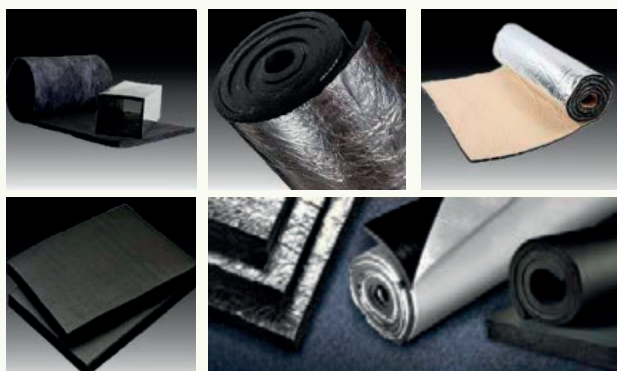
Tube range



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

Insulation Sheet Rolls & Slabs

Sheet range

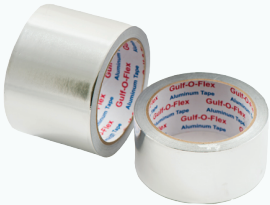


- Roll
- Box
- Unfaced
- Faced -FSK
- Faced -Aluglass
- Faced -Aluclad
- Black Glass Cloth
- With Adhesive
- Without Adhesive
- Sound Resistant & Sound Proofing
- Duct Liner
- For Base Control & Vibration
- For Duct Outer Process
- For Flooring (3mm)
- For Sports Track

GULF·O·FLEX® ACCESSORIES



GULF·O·FLEX®
PRODUCT OF RUBBERWORLD



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)



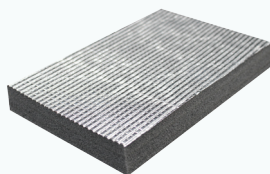
FLEXIBLE INSULATED DUCT



FLEXIBLE
UNINSULATED DUCT



DUCT CONNECTOR



XLPE INSULATION SHEET



RUBBER CORK PAD



CANVAS CLOTH

TECHNICAL DATA SHEET



S. NO.	SPECIFICATIONS	INDEX	TEST METHOD
1	MATERIAL	NBR	
2	CELL STRUCTURE	CLOSED CELL	
3	DENSITY (KG/M ³)	50-70 KG/M ³	ASTM C 302: 1995 ASTM D 3575-91
4	THERMAL CONDUCTIVITY "K" AT 35 °C MEAN TEMPERATURE	0.0321 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	NEGLEGIBLE	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	NEGLEGIBLE	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, CDPH Y 1.2
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	25	17	12	10	6
1-5/8	41	30	25	17	12	8	6
1-7/8	48	25	20	15	10	8	6
2	51	25	20	15	9	8	4
2-1/8	54	25	20	15	9	8	4
2-3/8	60	20	18	12	9	7	4
2-1/2	64	20	15	10	8	7	4
2-5/8	67	20	15	10	8	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	6	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

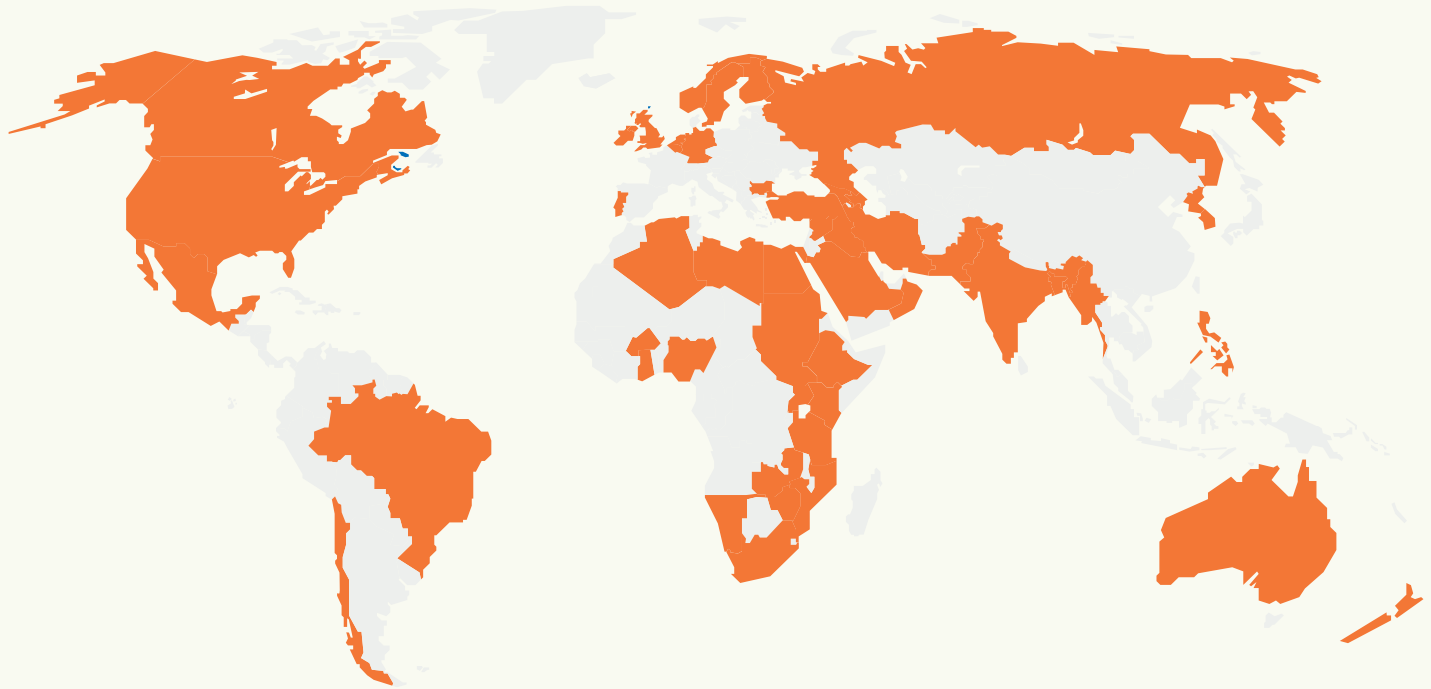
RUBBER INSULATION SHEET BOXES

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

Note:

- Aluglass, Adhesive & Aluminum Foil Finishing is available in same sizes.
- Tolerance: ± 5% for Length, Thickness & Internal Diameter.
- Sizes can be customised, contact salesperson for more information
- Please refer to manual for handling details.

REGIONS & COUNTRIES



AVAILABLE IN OVER 90 COUNTRIES GLOBALLY



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