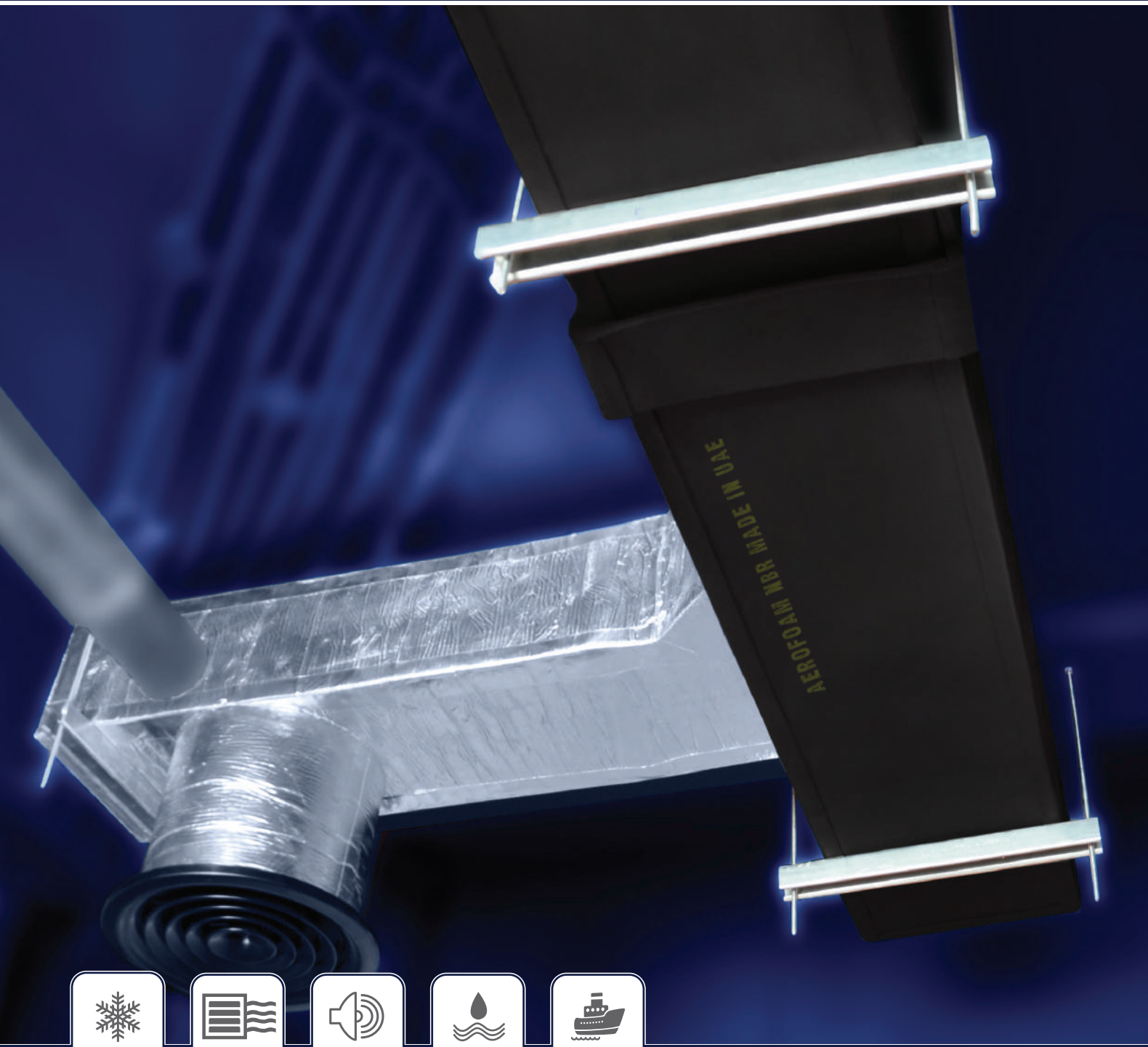


AEROFOAM[®]-NBR



Elastomeric Thermal Insulation Foam
Flexible Closed Cell

ASTM E84

CLASS 0

RU
E484543

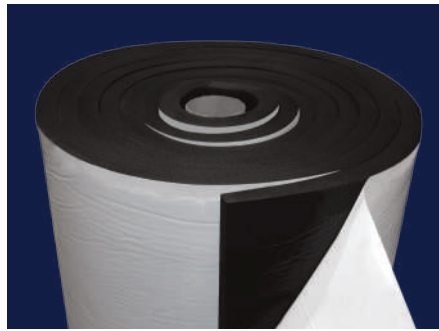


CE

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AEROFOAM® NBR TUBES & ROLLS

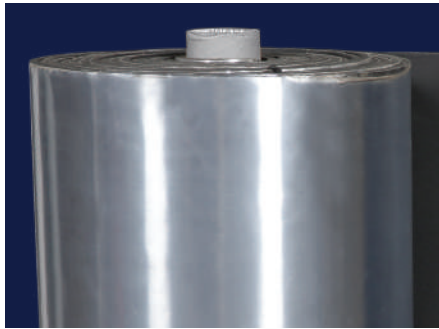
Aerofoam® NBR Rolls, Sheets and Tubes are made of flexible closed-cell elastomeric thermal insulation foam designed to control condensation and energy losses in cooling and heating systems. Plain rolls are available with self-adhesive coating.



AEROFOAM® NBR ALUGLASS & CLAD PRODUCTS

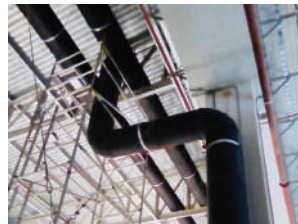
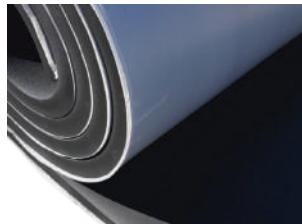


Aerofoam® NBR Aluglass Tubes



Aerofoam® NBR Clad Roll

APPLICATIONS



AERO-FITTINGS

Pre-fabricated Aero-fittings are made in different shapes such as 90 and 45 degrees Elbows, Tees and Y-Branches.



AEROFOAM® TAPES



Aerofoam® Tape Aluglass

Aerofoam® Tape NBR Foam

AEROFOAM® NBR GLUE



AEROCALC

Calculation software is a tool for consultants, architects and engineers, available as **desktop**, **ios** and **android** applications.



Scan QR code to download desktop app



AEROFOAM® NBR TUBES

Copper Pipes for AC & Refrigeration		Steel Pipe		AEROFOAM®		AEROFOAM® NBR TUBES SIZE RANGE											
OD [inch]	OD [mm]	Nom size [inch]	OD [mm]	inch	mm	NBR Code	Pcs/Box	NBR Code	Pcs/Box	NBR Code	Pcs/Box	NBR Code	Pcs/Box	NBR Code	Pcs/Box	NBR Code	Pcs/Box
						1/4" (6mm)		3/8" (9mm)		1/2" (13mm)		3/4" (19mm)		1" (25mm)		1-1/4" (32mm)	
1/4"	6.35	-	-	1/4"	6.00	NBRT0606	180	NBRT0906	168	NBRT1306	90	NBRT1906	50	NBRT2506	35	-	-
3/8"	9.52	-	-	3/8"	9.00	NBRT0609	170	NBRT0909	130	NBRT1309	80	NBRT1909	40	NBRT2509	25	-	-
1/2"	12.70	-	-	1/2"	13.00	NBRT0613	150	NBRT0913	115	NBRT1313	65	NBRT1913	40	NBRT2513	25	-	-
5/8"	15.90	1/4"	13.50	5/8"	16.00	NBRT0616	120	NBRT0916	90	NBRT1316	60	NBRT1916	35	NBRT2516	25	-	-
3/4"	19.10	-	-	3/4"	19.00	NBRT0619	100	NBRT0919	76	NBRT1319	45	NBRT1919	30	NBRT2519	20	NBRT3219	15
7/8"	22.20	1/2"	21.30	7/8"	22.00	NBRT0622	90	NBRT0922	70	NBRT1322	40	NBRT1922	30	NBRT2522	20	NBRT3222	12
1"	25.40	-	-	1"	25.00	NBRT0625	70	NBRT0925	55	NBRT1325	40	NBRT1925	25	NBRT2525	20	NBRT3225	12
1-1/8"	28.60	3/4"	26.90	1-1/8"	28.00	NBRT0628	70	NBRT0928	55	NBRT1328	36	NBRT1928	25	NBRT2528	18	NBRT3228	12
-	-	-	-	1-1/4"	32.00	NBRT0632	65	NBRT0932	40	NBRT1332	30	NBRT1932	20	NBRT2532	15	NBRT3232	12
1-3/8"	34.90	1"	33.70	1-3/8"	35.00	NBRT0635	60	NBRT0935	36	NBRT1335	30	NBRT1935	20	NBRT2535	15	NBRT3235	12
-	-	-	-	1-1/2"	38.00	NBRT0638	50	NBRT0938	36	NBRT1338	25	NBRT1938	17	NBRT2538	12	NBRT3238	10
1-5/8"	41.30	1-1/4"	42.40	1-5/8"	42.00	NBRT0642	40	NBRT0942	30	NBRT1342	25	NBRT1942	17	NBRT2542	12	NBRT3242	10
1-7/8"	48.00	1-1/2"	48.30	1-7/8"	48.00	-	-	NBRT0948	25	NBRT1348	20	NBRT1948	15	NBRT2548	10	NBRT3248	8
-	-	-	-	2"	51.00	-	-	NBRT0951	25	NBRT1351	20	NBRT1951	15	NBRT2551	9	NBRT3251	8
2-1/8"	54.00	-	-	2-1/8"	54.00	-	-	NBRT0954	25	NBRT1354	20	NBRT1954	15	NBRT2554	9	NBRT3254	8
2-3/8"	60.30	2"	60.30	2-3/8"	60.00	-	-	NBRT0960	20	NBRT1360	18	NBRT1960	12	NBRT2560	9	NBRT3260	6
2-1/2"	63.00	-	-	2-1/2"	63.00	-	-	-	-	NBRT1363	18	NBRT1963	12	NBRT2563	8	NBRT3263	6
2-5/8"	67.00	-	-	2-5/8"	67.00	-	-	-	-	NBRT1367	15	NBRT1967	10	NBRT2567	8	NBRT3267	5
2-7/8"	73.00	-	-	2-7/8"	73.00	-	-	-	-	NBRT1373	15	NBRT1973	10	NBRT2573	6	NBRT3273	4
3"	76.00	2-1/2"	76.10	3"	76.00	-	-	-	-	NBRT1376	12	NBRT1976	10	NBRT2576	6	NBRT3276	4
3-1/8"	79.00	-	-	3 1/8"	79.00	-	-	-	-	NBRT1379	12	NBRT1979	10	NBRT2579	6	NBRT3279	4
3-1/2"	89.00	3"	88.90	3-1/2"	89.00	-	-	-	-	NBRT1389	10	NBRT1989	8	NBRT2589	6	NBRT3289	4
-	-	-	-	3-5/8"	92.00	-	-	-	-	NBRT1392	8	NBRT1992	6	NBRT2592	6	NBRT3292	4
4"	102.00	-	-	4"	102.00	-	-	-	-	NBRT13102	8	NBRT19102	6	NBRT25102	4	NBRT32102	3
-	-	-	-	4-1/8"	105.00	-	-	-	-	NBRT13105	8	NBRT19105	6	NBRT25105	4	NBRT32105	3
-	-	-	-	4-3/8"	110.00	-	-	-	-	NBRT13110	8	NBRT19110	6	NBRT25110	4	NBRT32110	3
4-1/2"	114.00	4"	114.30	4-1/2"	114.00	-	-	-	-	NBRT13114	6	NBRT19114	6	NBRT25114	3	NBRT32114	3

AEROFOAM® NBR ROLLS - SIZE RANGE

Thickness		Width x Length		Type			
(inch)	(mm)	(m x m)	Plain	Self Adhesive (SA)	With Aluglass Foil (AL)	Self Adhesive with Aluglass foil (SA-AL)	With CLAD
1/4"	6	1x30	NBRR06-1-30	NBRR06-1-30/SA	NBRR06-1-30/AL	NBRR06-1-30/SA-AL	
3/8"	9	1x20	NBRR09-1-20	NBRR09-1-20/SA	NBRR09-1-20/AL	NBRR09-1-20/SA-AL	NBRR09-1-20/CL
1/2"	13	1x14	NBRR13-1-14	NBRR13-1-14/SA	NBRR13-1-14/AL	NBRR13-1-14/SA-AL	NBRR13-1-14/CL
5/8"	16	1x12	NBRR16-1-12	NBRR16-1-12/SA	NBRR16-1-12/AL	NBRR16-1-12/SA-AL	NBRR16-1-12/CL
3/4"	19	1x10	NBRR19-1-10	NBRR19-1-10/SA	NBRR19-1-10/AL	NBRR19-1-10/SA-AL	NBRR19-1-10/CL
1"	25	1x8	NBRR25-1-08	NBRR25-1-08/SA	NBRR25-1-08/AL	NBRR25-1-08/SA-AL	NBRR25-1-08/CL
1-1/4"	32	1x6	NBRR32-1-06	NBRR32-1-06/SA	NBRR32-1-06/AL	NBRR32-1-06/SA-AL	NBRR32-1-06/CL
1-1/2"	40	1x4	NBRR40-1-04	NBRR40-1-04/SA	NBRR40-1-04/AL	NBRR40-1-04/SA-AL	NBRR40-1-04/CL
2"	50	1x4	NBRR50-1-04	NBRR50-1-04/SA	NBRR50-1-04/AL	NBRR50-1-02/SA-AL	NBRR50-1-02/CL

Tolerance Rolls: 6-25mm ± 2mm (thickness); ± 1.5% (length)
 32-50mm ± 3mm (thickness); ± 1.5% (length)
 Width: (-20mm +40mm)

Accessories	Unit
Aerofoam® Tape - NBR Foam	roll
Aerofoam® Tape - NBR Aluglass	roll
Aerofoam® NBR Glue	litre
AeroFinish Paint (1kg & 20kg)	kg

Features

- Good fire safety
- Ease of installation
- Low water absorption
- Environmental friendly
- Low thermal conductivity
- Antifungal and antibacterial
- Low smoke and toxic emission
- High water vapor diffusion resistance

TECHNICAL DATA

Description: Flexible closed cell elastomeric foam insulation with high water vapor diffusion resistance and low thermal conductivity.

Material: Flexible elastomeric foam with density between 40-70 kg/m³.

Self-adhesive coating: Available with pressure-sensitive self-adhesive coating and/or covered with foil.

Applications: Thermal insulation/protection for pipes, air ducts (incl. elbows, fittings, flanges, etc), air-conditioning /refrigeration and process equipment to prevent condensation and save energy.

Property	Value/ Assessment	Tested acc. to:
Temperature range Max. line temperature Min. line temperature <i>Please consult our technical team for applications with temperatures below -40 °C.</i>	110 °C (flat surface and tape +85 °C) -80 °C	ASTM C411 ASTM C534 Type 1 & 2
Thermal conductivity λ[W/(m•K)]	0.033 - 0.035 (24 °C - 35 °C)	ASTM C518
Water vapor diffusion resistance factor (μ)	$\geq 17,000$	BS EN 12086
Water vapor permeance [perms]	1.56E-09 (g/m ² .s (pascal))	ASTM E96
Water absorption [% by volume]	0.06	ASTM C209
Reaction to fire	Class 0 Class A	BS 476 Part 6 & 7 ASTM E 84
Smoke and toxicity	Complied	IMO MSC 61, ISO 5659
Resistance to fungi	Zero growth	ASTM G21
Resistance to bacteria	Zero growth	ISO 22196
Emission (VOC level)	<6 μ g/m ² /hr	ASTM D5116
Corrosion risk	pH neutral	DIN 1988
Environment friendly Ozone resistance Ozone Depletion Potential (ODP) Global Warming Potential (GWP) CFC & HCFC, dust, fibres and asbestos	Excellent Zero <5 Free	

Note: All outdoor applications of Aerofoam® elastomeric foam need to be protected by Aerofoam® approved paint or cladding.

Disclaimer: This information on Hira Industries products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.