

AEROFOAM[®] -NBR CLAD



*Flexible Closed Cell
Elastomeric Thermal Insulation Foam
for Indoor & Outdoor Applications*

CLASS 0

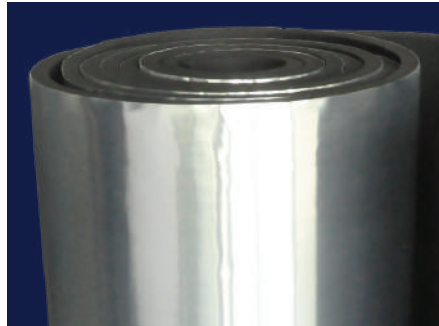
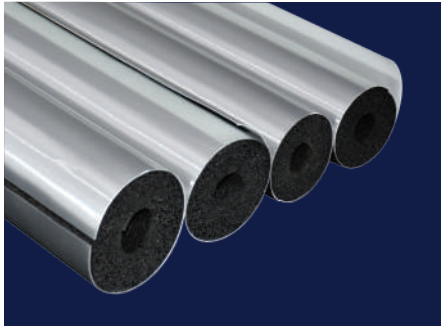
ASTM E84

 www.aerofoamvietnam.com

AEROFOAM® NBR CLAD TUBES & ROLLS

Aerofoam® NBR Clad is your 2-in-1 innovative solution offering energy savings combined with reliable weathering protection and it can be used in specific applications such as pharmaceutical, food and beverages, healthcare, data centers, industrial and marine.

Aerofoam® NBR Clad is easy to install and offers time savings of more than 50% compared to non-factory applied jacketing systems.



FEATURES



Excellent thermal efficiency



Suitable for cooling & heating systems



Suitable for application in coastal areas



Resistant to mold & mildew growth



Environmental friendly foam



No corrosion risk



High mechanical strength & durability



UV & weather resistant



Chemical resistant



Resistant to bacteria growth



Ozone resistant



No additional coating needed

APPLICATIONS

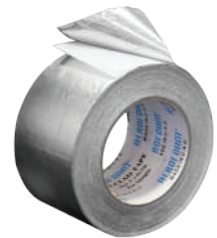


AERO-FITTINGS

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



AEROFOAM® TAPE



Aerofoam® Tape
N Clad

AEROFOAM® NBR GLUE



AEROCALC

AEROCALC software is an excellent tool for calculating the most optimal thicknesses of insulation. Available as **Desktop**, **iOS** and **Android** applications.

Visit our website: aerofoamvietnam.com



Scan the QR code to download the Desktop app.



AEROFOAM® NBR CLAD TUBES - SIZE RANGE

Copper Pipes for AC & Refrigeration		Steel Pipe		Aerofoam® NBR Tubes		Aerofoam® NBR Tubes Size Range									
						9 mm (3/8")		13 mm (1/2")		19 mm (3/4")		25 mm (1")		32 mm (1-1/4")	
OD [inch]	OD [mm]	Nom size [inch]	OD [mm]	ID [inch]	ID [mm]	NBR Clad Code	Pcs /Box	NBR Clad Code	Pcs /Box	NBR Clad Code	Pcs /Box	NBR Clad Code	Pcs /Box	NBR Clad Code	Pcs /Box
1/4"	6.35			1/4"	6.00			NBRT136/CL	70	NBRT196/CL	40	NBRT256/CL	30	NBRT326/CL	15
3/8"	9.52			3/8"	9.00			NBRT139/CL	60	NBRT199/CL	35	NBRT259/CL	20	NBRT329/CL	15
1/2"	12.70			1/2"	13.00			NBRT1313/CL	50	NBRT1913/CL	35	NBRT2513/CL	20	NBRT3213/CL	15
5/8"	15.90	1/4"	13.50	5/8"	16.00			NBRT1316/CL	45	NBRT1916/CL	30	NBRT2516/CL	20	NBRT3216/CL	15
3/4"	19.10			3/4"	19.00			NBRT1319/CL	40	NBRT1919/CL	25	NBRT2519/CL	20	NBRT3219/CL	15
7/8"	22.20	1/2"	21.30	7/8"	22.00			NBRT1322/CL	35	NBRT1922/CL	25	NBRT2522/CL	20	NBRT3222/CL	10
1"	25.40			1"	25.00	NBRT925/CL	40	NBRT1325/CL	35	NBRT1925/CL	20	NBRT2525/CL	15	NBRT3225/CL	10
1-1/8"	28.60	3/4"	26.90	1-1/8"	28.00	NBRT928/CL	36	NBRT1328/CL	30	NBRT1928/CL	20	NBRT2528/CL	15	NBRT3228/CL	10
				1-1/4"	32.00	NBRT932/CL	30	NBRT1332/CL	25	NBRT1932/CL	20	NBRT2532/CL	15	NBRT3232/CL	10
1-3/8"	34.90	1"	33.70	1-3/8"	35.00	NBRT935/CL	30	NBRT1335/CL	25	NBRT1935/CL	20	NBRT2535/CL	15	NBRT3235/CL	10
				1-1/2"	38.00	NBRT938/CL	30	NBRT1338/CL	20	NBRT1938/CL	15	NBRT2538/CL	12	NBRT3238/CL	10
1-5/8"	41.30	1-1/4"	42.40	1-5/8"	42.00	NBRT942/CL	25	NBRT1342/CL	20	NBRT1942/CL	15	NBRT2542/CL	12	NBRT3242/CL	10
1-7/8"	48.00	1-1/2"	48.30	1-7/8"	48.00	NBRT948/CL	20	NBRT1348/CL	20	NBRT1948/CL	15	NBRT2548/CL	10	NBRT3248/CL	8
				2"	51.00	NBRT951/CL	20	NBRT1351/CL	15	NBRT1951/CL	15	NBRT2551/CL	9	NBRT3251/CL	8
2-1/8"	54.00			2-1/8"	54.00	NBRT954/CL	20	NBRT1354/CL	15	NBRT1954/CL	15	NBRT2554/CL	9	NBRT3254/CL	8
2-3/8"	60.30	2"	60.30	2-3/8"	60.00	NBRT960/CL	20	NBRT1360/CL	15	NBRT1960/CL	12	NBRT2560/CL	9	NBRT3260/CL	6
2-1/2"	63.00			2-1/2"	63.00	NBRT963/CL	20	NBRT1363/CL	15	NBRT1963/CL	12	NBRT2563/CL	9	NBRT3263/CL	6
2-5/8"	67.00			2-5/8"	67.00	NBRT967/CL	20	NBRT1367/CL	15	NBRT1967/CL	10	NBRT2567/CL	8	NBRT3267/CL	5
2-7/8"	73.00			2-7/8"	73.00	NBRT973/CL	18	NBRT1373/CL	12	NBRT1973/CL	10	NBRT2573/CL	6	NBRT3273/CL	4
3"	76.00	2-1/2"	76.10	3"	76.00	NBRT976/CL	15	NBRT1376/CL	12	NBRT1976/CL	10	NBRT2576/CL	6	NBRT3276/CL	4
3-1/8"	79.00			3 1/8	79.00	NBRT979/CL	15	NBRT1379/CL	12	NBRT1979/CL	10	NBRT2579/CL	6	NBRT3279/CL	4
3-1/2"	89.00	3"	88.90	3-1/2"	89.00	NBRT989/CL	15	NBRT1389/CL	10	NBRT1989/CL	8	NBRT2589/CL	6	NBRT3289/CL	4
				3-5/8"	92.00			NBRT1392/CL	8	NBRT1992/CL	6	NBRT2592/CL	6	NBRT3292/CL	4
4"	102.00			4"	102.00			NBRT13102/CL	8	NBRT19102/CL	6	NBRT25102/CL	4	NBRT32102/CL	3
				4-1/8"	105.00			NBRT13105/CL	8	NBRT19105/CL	6	NBRT25105/CL	4	NBRT32105/CL	3
				4-3/8"	110.00			NBRT13110/CL	8	NBRT19110/CL	6	NBRT25110/CL	4	NBRT32110/CL	3
4-1/2"	114.00	4"	114.30	4-1/2"	114.00			NBRT13114/CL	6	NBRT19114/CL	6	NBRT25114/CL	3	NBRT32114/CL	3

Note: Available length of tubes 1 m. Aerofoam® NBR Clad tubes are packed in carton box.

AEROFOAM® NBR CLAD ROLLS & SHEETS - SIZE RANGE

NBR Clad Rolls						NBR Clad Sheets				
THK. Inch	THK. Inch	W x L mtr	Without Self Adhesive	With Self Adhesive	Pcs /Box	W x L mtr	Without Self Adhesive	With Self Adhesive	Pcs /Box	
1/4"	6	1x30/ 1x20 (with SA)	NBRR6-1-30/CL	NBRR6-1-20/CL-SA	1	1x1	NBRS6-1000-1000/CL	NBRS6-1000-1000/CL-SA	30	
3/8"	9	1x20/ 1x15 (with SA)	NBRR9-1-20/CL	NBRR9-1-15/CL-SA	1	1x1	NBRS9-1000-1000/CL	NBRS9-1000-1000/CL-SA	20	
1/2"	13	1x14/ 1x10 (with SA)	NBRR13-1-14/CL	NBRR13-1-10/CL-SA	1	1x1	NBRS13-1000-1000/CL	NBRS13-1000-1000/CL-SA	15	
5/8"	16	1x12/ 1x10 (with SA)	NBRR16-1-12/CL	NBRR16-1-10/CL-SA	1	1x1	NBRS16-1000-1000/CL	NBRS16-1000-1000/CL-SA	12	
3/4"	19	1x10/ 1x7 (with SA)	NBRR19-1-10/CL	NBRR19-1-7/CL-SA	1	1x1	NBRS19-1000-1000/CL	NBRS19-1000-1000/CL-SA	10	
1"	25	1x8/ 1x5 (with SA)	NBRR25-1-8/CL	NBRR25-1-5/CL-SA	1	1x1	NBRS25-1000-1000/CL	NBRS25-1000-1000/CL-SA	8	
1-1/4"	32	1x4	NBRR32-1-4/CL	NBRR32-1-4/CL-SA	1	1x1	NBRS32-1000-1000/CL	NBRS32-1000-1000/CL-SA	6	
1-1/2"	40	1x2	NBRR40-1-2/CL	NBRR40-1-2/CL-SA	1	1x1	NBRS40-1000-1000/CL	NBRS40-1000-1000/CL-SA	4	
2"	50	1x2	NBRR50-1-2/CL	NBRR50-1-2/CL-SA	1	1x1	NBRS50-1000-1000/CL	NBRS50-1000-1000/CL-SA	4	

Note: Aerofoam® NBR Clad Rolls and Sheets are packed in carton box.

Aerofoam® NBR Clad system is also available as **pre-slit tubes** and **pre-slit with self adhesive Lap Seal**. Installation is easy, fast and efficient.



Aerofoam® NBR Clad Pre-slit Tubes with Lap Seal

Aerofoam® NBR Clad Pre-slit Tubes

TECHNICAL DATA

Description: Flexible elastomeric closed cell thermal insulation foam with factory applied durable jacketing for indoor and outdoor applications for mechanical and weather protection, mainly designed to control condensation and energy losses.

Property	Value/ Assessment	Tested acc. to:
Aerofoam® NBR CLAD (foam core only)		
Thermal conductivity (at 24 °C)	0.033 W/m·K	ASTM C518
Temperature range		
Max. line temperature	+110 °C (+80 °C with PSA*)	ASTM C411
Min. line temperature	-80 °C (-30 °C with PSA*)	ASTM C534
Density of the foam core	40-70 kg/m³	ASTM C302
Water vapor permeance	1.56E-09 g/m².s.Pa	ASTM E96
Water absorption	0.06% by volume	ASTM C209
Reaction to fire	FSI<25, SDI<50	ASTM E84
	Class 0	BS 476 part 6&7
Smoke density & toxicity	Passed	IMO MSC 61(67)
Chemical analysis	<0.05% water soluble chloride ions	DIN 1988
	pH - 7.3	ASTM C871
Compression set	31.23% (for 25 mm)	ASTM D3574
Resistance to fungi	Zero Growth	ASTM G21
Resistance to bacteria	Zero Growth	ISO 22196
Ozone resistance	Passed	ASTM D1149
TVOC (Emission rate - 24 hours)	<6µg/m²/hr	ASTM D5116
RoHS	Comply	RoHS 3 2015/863
Ozone Depletion Potential (ODP)	0	
Global Warming Potential (GWP)	<5	
CFC & HCFC	Free	
Aerofoam® NBR CLAD (with foil)		
Water vapor diffusion resistance factor	µ>45000	UNE EN 12086
Reaction to fire	FDI <25, SDI <50	ASTM E84
Weather & UV resistance (foil)	Excellent	UNE EN ISO 4892-3
Storage life Can be stored for 24 months (12 months with PSA*) from manufacturing date in a dry, clean, dust free room at normal humidity and ambient temperature.		

*PSA - Pressure Sensitive Adhesive

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.